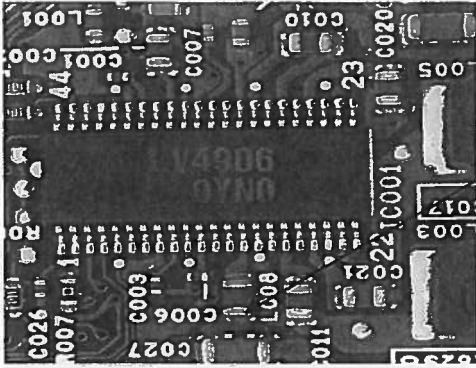


SERVICE TIP: DP50741-00
TIP IS FOR J4JE MAIN BD (00) ONLY



No audio condition check J4JE

Diode should be piggy backed on L008 with
Cathode facing away from IC.

IC001 part number: QLV4906V-H----P
Diode part number: B0ACCK000005

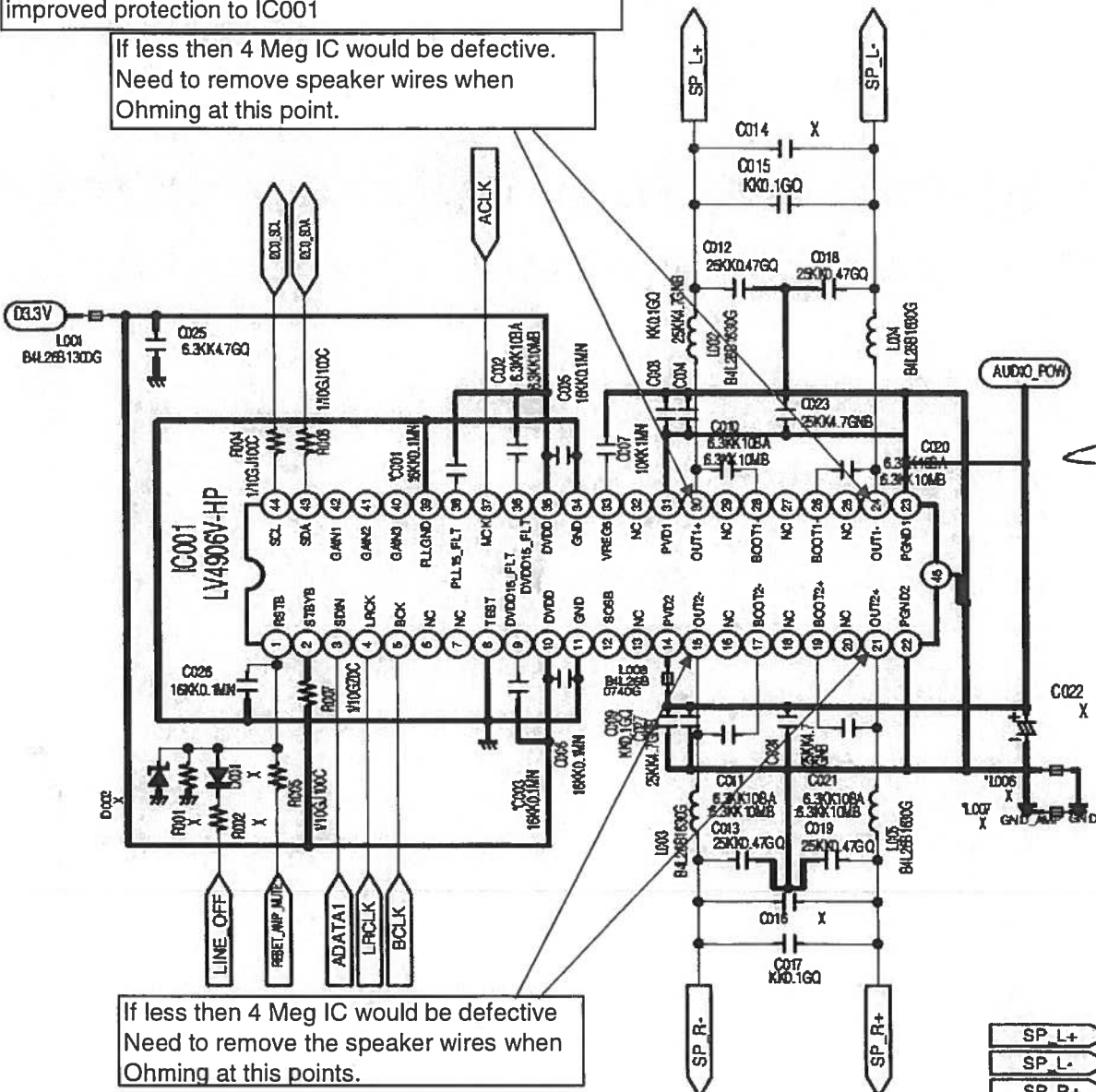


Cathode

Model DP50741 Chassis P50741-00

Check pins 15 to 21 and 24 to 30 if shorted or resistance is below 4MEG IC001 is defective.
Option 1- order a main board
Option 2 order IC001 and diode the diode is for improved protection to IC001

If less then 4 Meg IC would be defective.
Need to remove speaker wires when Ohming at this point.



If less then 4 Meg IC would be defective
Need to remove the speaker wires when Ohming at this points.



FILE NO.

SERVICE MANUAL

Remote Control Digital Color Television

DP50741 (U.S.A.)
(CANADA)
ORIGINAL VERSION



Chassis No. P50741-00

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

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Specifications

POWER RATING	120VAC 210 W (AVG.)
ANTENNA INPUT IMPEDANCE	75Ω UHF/VHF/CATV DIGITAL
RECEIVING CHANNEL	2 - 13 (VHF), 14 - 69 (UHF), 01, 14-94, 95-135 (CATV) 1-135 (DIGITAL)
REMOTE READY	36 KEY REMOTE CONTROL
SOUND OUTPUT	10.0 W/CH
INTERMEDIATE FREQUENCY	
PICTURE IF CARRIER	45.75MHz
SOUND IF CARRIER	41.25MHz
COLOR SUB CARRIER	42.17MHz
CABINET DIMENSIONS	
WIDTH	1238mm
HEIGHT	838mm
DEPTH INCLUDING BASE	283mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK


Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

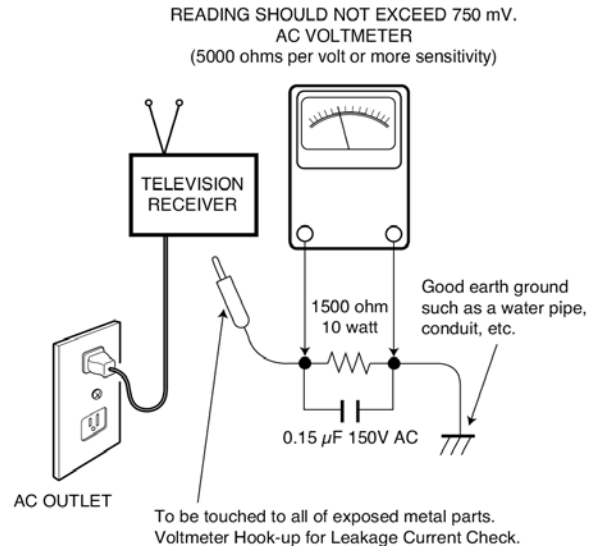
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a  in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.

2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

CAUTION: Be sure that no power is applied to the chassis or circuit assembly.

7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpacked) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

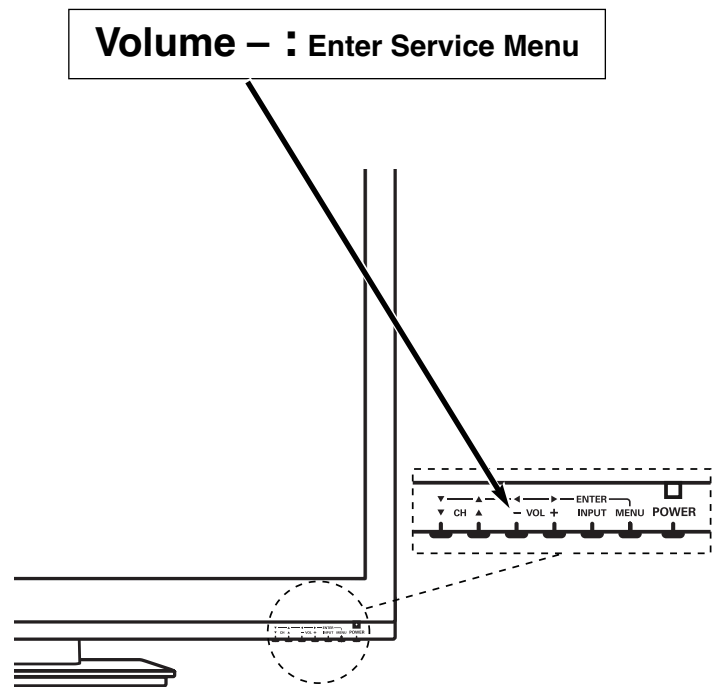
ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (≡) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

ITEM NO.	TITLE	HEX DATA			
Index	ParameterName	Value	Def.	MIN	MAX
1	FACTORY_VOL	0x21	48	0	255

Figure 1. Service Menu Display

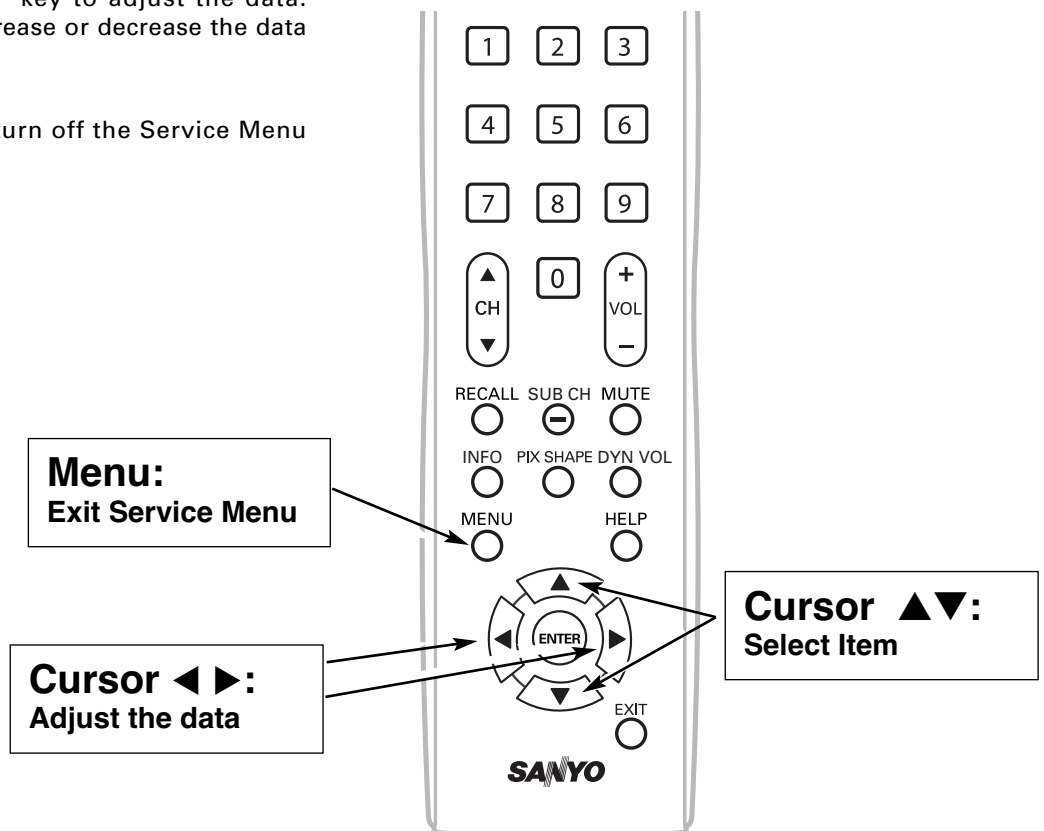


2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◀ or ▶ key to adjust the data. The ◀ or ▶ key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.



ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC7600 (Flash Memory) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

Index	ParameterName	Value	Min	Max
17	OP1	00h	0	255
18	OP2	09h	0	255

NOTES: Option 2 Data (Display Panel)

Option 1 and Option 2 data is initial and can be set according to adjustment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal 09.

See 088 above. If this program code is wrong the TV will not operate properly.

Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal 00.

See 087 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

Internal sub_CPU on main IC 5500 is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to "Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the sub_CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the sub_CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit.
(Connected to IC5500 pin W7.)

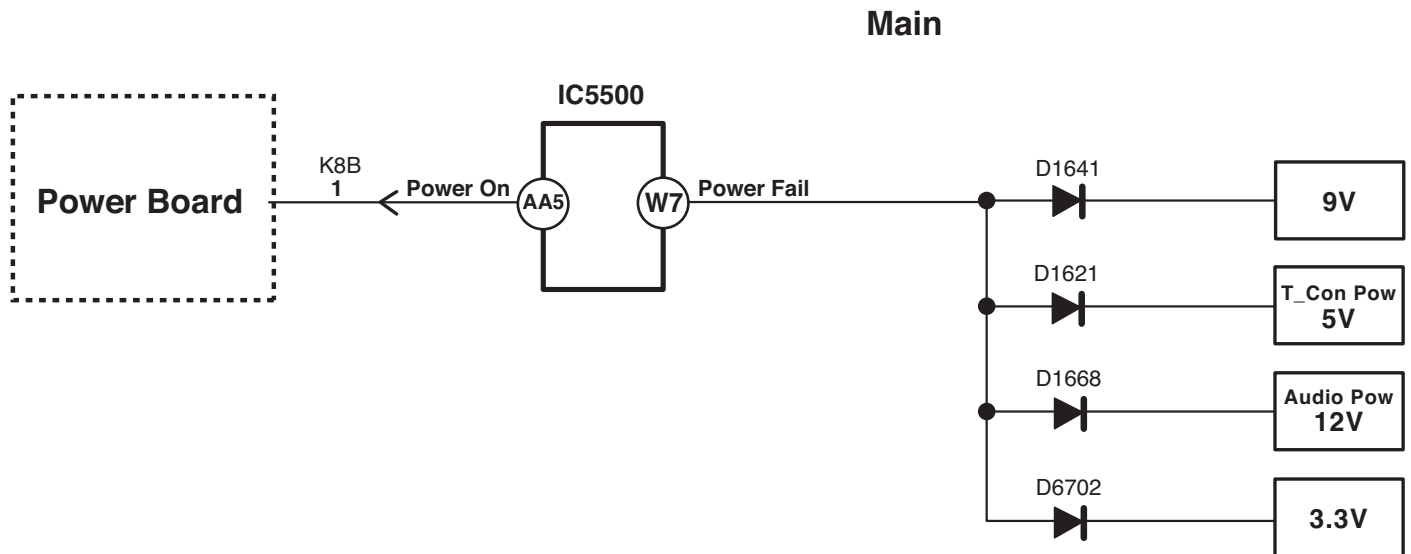
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the sub_CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On. To reset the operating programs of the sub_CPU it is necessary to disconnect the AC cord for a short time.



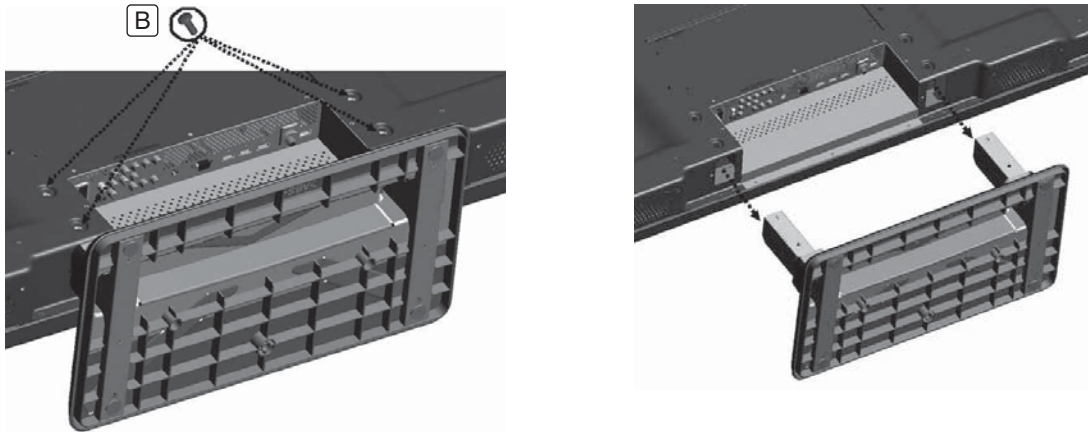
MECHANICAL DISASSEMBLY

CAUTION:

This PDP TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

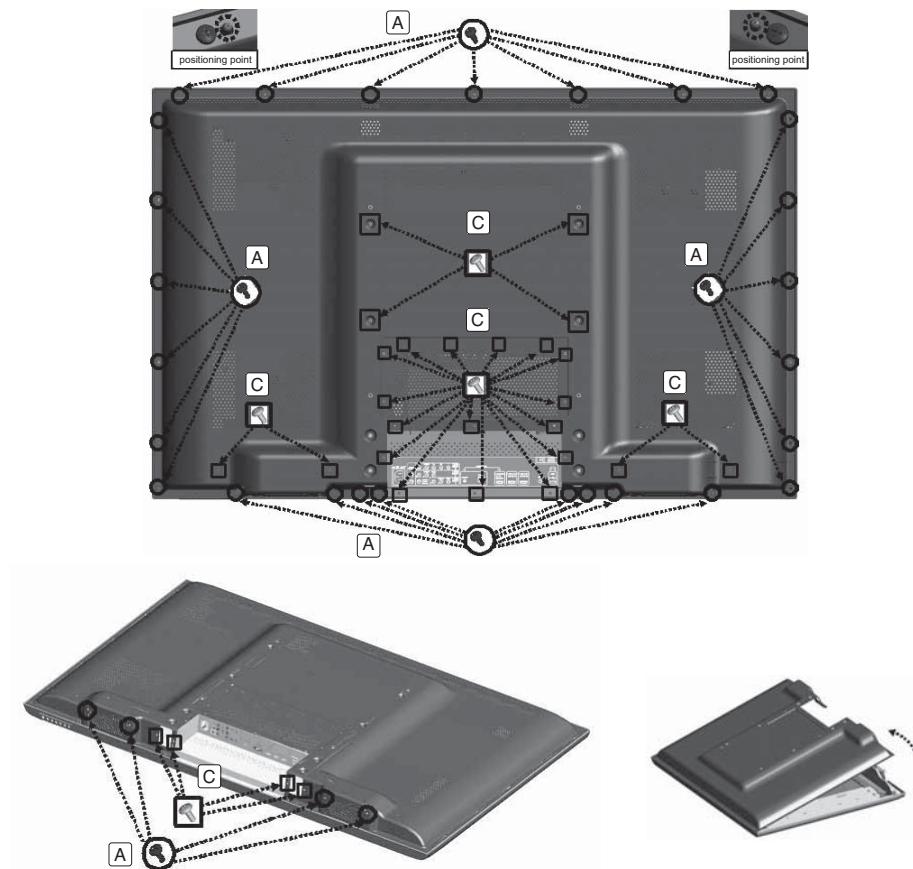
STAND REMOVAL

Position TV face down on a padded or cushioned surface to protect the screen and finish. Remove 4 screws (B:6X16) and lift up TV from the stand.



BACK CABINET REMOVAL

Remove 59 screws to take the back cabinet off.
(A:4x10, 31 pcs.; C:4x8, 28 pcs.)



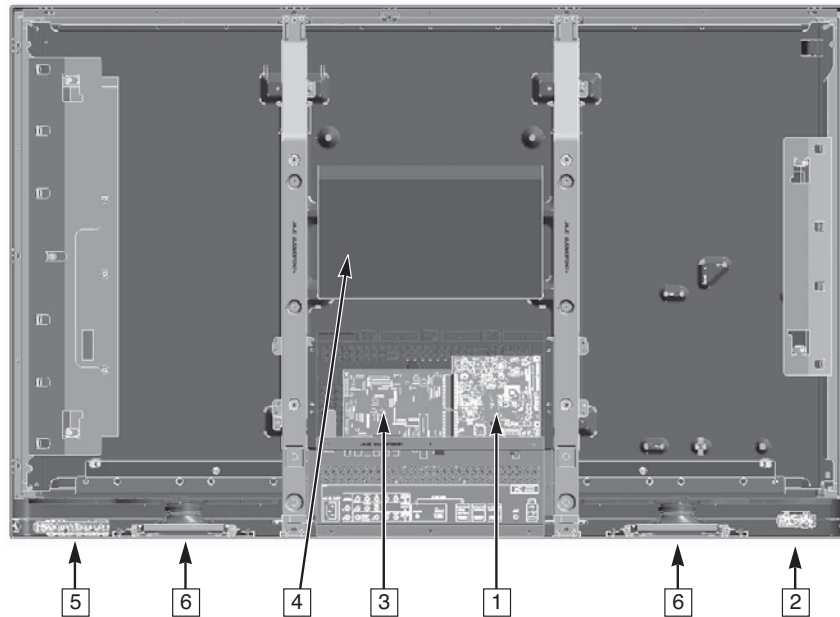
MECHANICAL DISASSEMBLY (Continued)



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

BOARD LOCATIONS



1: Main (Digital) Board

2: RC LED Board

3: Analog Board

3: Power Unit

4: KEY SW Board

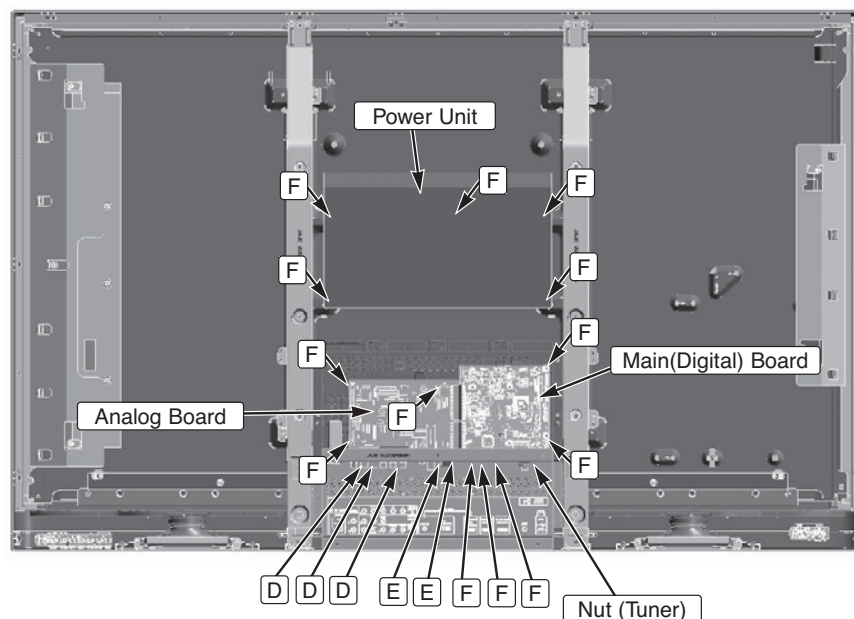
6: Speakers

ANALOG AND MAIN BOARD REMOVAL

Remove 13 screws (D: 3X10, 3pcs; E: PC terminal nuts, 2pcs; F: 3X6, 8pcs) and 1 Nut (Tuner) to take the analog board and the Main (digital) Board off.

POWER UNIT REMOVAL

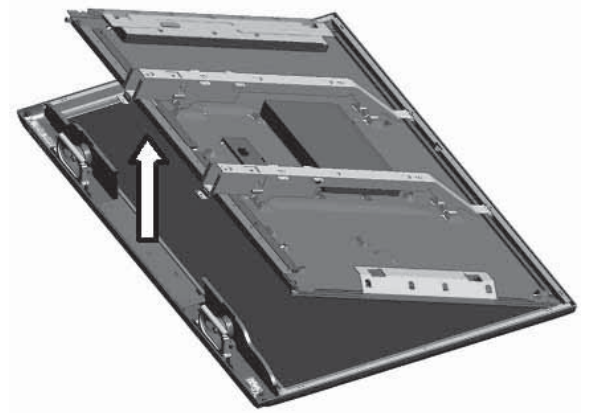
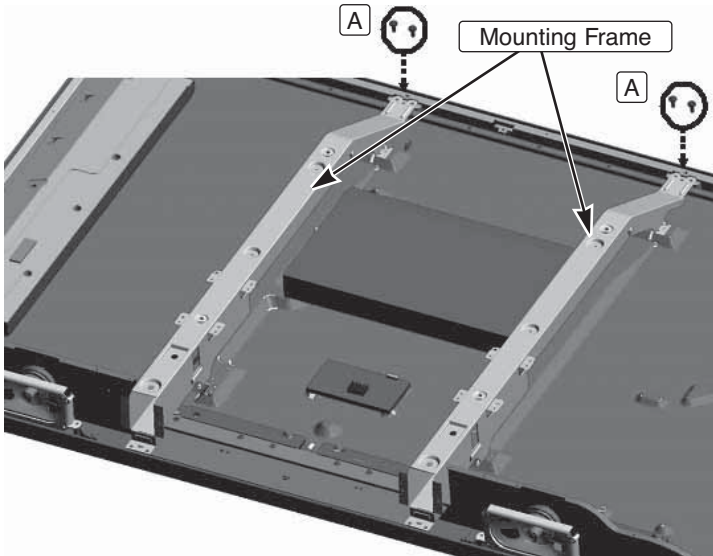
Remove 5 screws (F: 3x6) to take the power unit off.



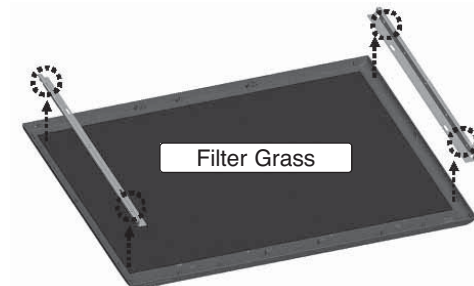
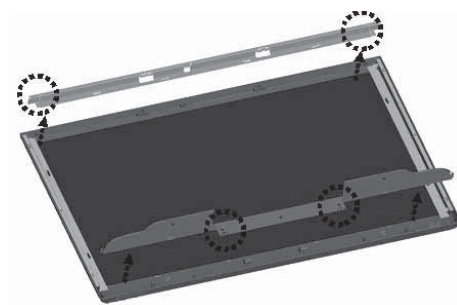
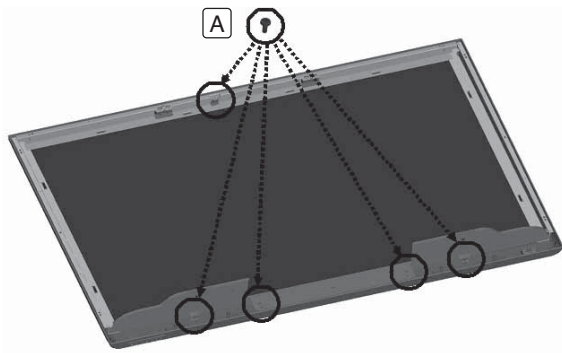
MECHANICAL DISASSEMBLY (Continued)

FILTER GLASS REMOVAL

1. Remove 4 screws (A:4x10) to take the panel module and panel holders (Mounting Frames) with boards off.



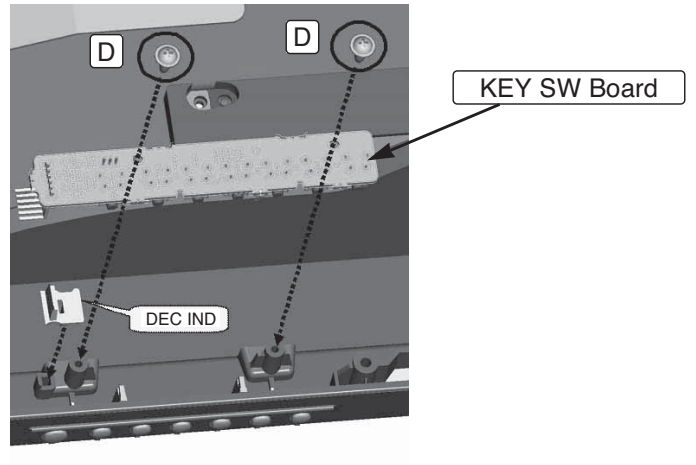
3. Remove 5 screws (A:4x10) to take the shield front (4 pcs) and the filter glass off.



MECHANICAL DISASSEMBLY (Continued)

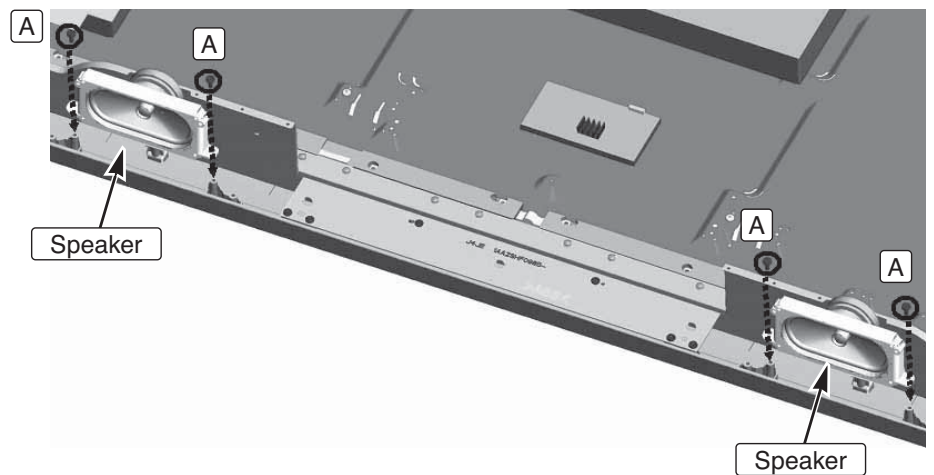
KEY SW BOARD REMOVAL

Remove 2 screws (D:3x10) to take the key sw board off.



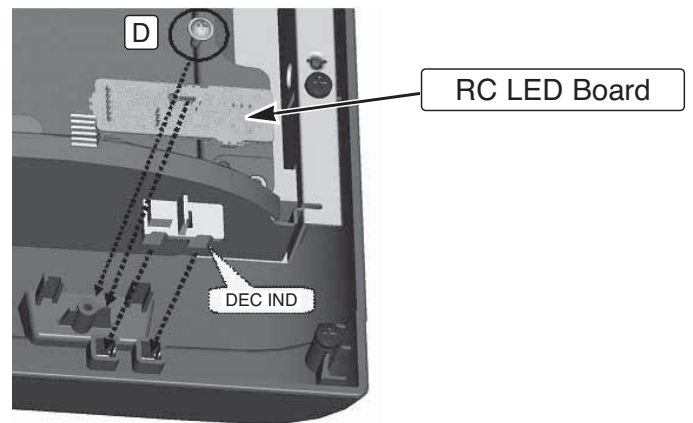
SPEAKER REMOVAL

Remove 4 screws (A:4x10) to take off both speakers.



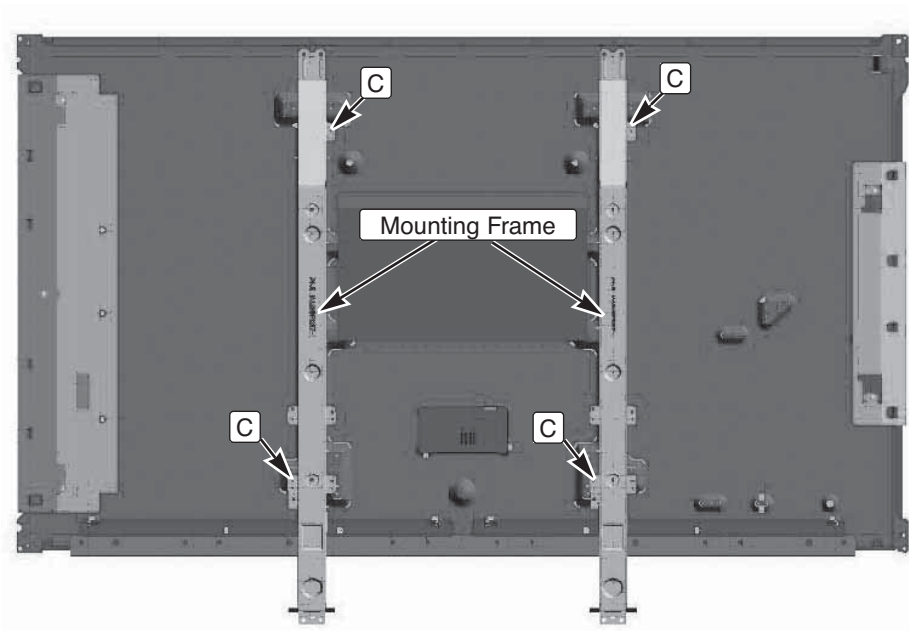
RC LED BOARD REMOVAL

Remove 1 screw (D:3x10) to take the RC Led board off.



PANEL MODULE REMOVAL

1. Remove the 4 screws (C:4x8) from the Mounting Frames to take the panel module off.



CAUTION:

This PDP TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A Δ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A Δ . NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A Δ .

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description
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CAPACITORS

NOTES:

Read description of the Capacitor as follows:

(Example)

CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:
Less than 10pF

A: Not specified B: $\pm 0.1\text{pF}$ C: $\pm 0.25\text{pF}$
D: $\pm 0.5\text{pF}$ E: $\pm 0.1\text{pF}$ F: $\pm 1\text{pF}$
G: $\pm 2\text{pF}$ H: $\pm 0.1 - 0\text{pF}$ L: $\pm 0 - 0.1\text{pF}$
R: $\pm 0.25 - 0\text{pF}$ S: $\pm 0 - 0.25\text{pF}$

More than 10pF

A: Not specified B: $\pm 0.1\%$ C: $\pm 0.25\%$
D: $\pm 0.5\%$ F: $\pm 1\%$ G: $\pm 2\%$
H: $\pm 3\%$ J: $\pm 5\%$ K: $\pm 10\%$
L: $\pm 15\%$ M: $\pm 20\%$ N: $\pm 30\%$
P: $\pm 100-0\%$ Q: $\pm 30-10\%$ T: $\pm 50-10\%$
U: $\pm 75-10\%$ V: $\pm 20-10\%$ W: $\pm 100-10\%$
X: $\pm 40-20\%$ Y: $\pm 150-10\%$ Z: $\pm 80-20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST..... Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO..... Metallized Polypropylene
COMPO FILM..... Composite Film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarised Electrolytic
OS-SOLID..... Aluminium Solid with Organic
Semi-conductive Electrolytic

Schematic Location	Part No.	Description
--------------------	----------	-------------

RESISTORS

NOTES:

Read description of the Resistor as follows:

(Example)

CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A...General B...Non-flammable
Z...Low noise
Other... Temperature coefficient

Tolerance Symbols:

A...0.05% B...0.1% C...25%
D...0.5% F...1% G...2%
J...5% K...10% M...20%
P...+5 -15%

Rated Value, ohms:

K...1,000 M...1,000,000

Material:

CARBON Carbon
MT-FILM Metal Film
OXIDE-MT Oxide Metal Film
SOLID Composition
MT-GLAZE Metal Glaze
WIRE WOUND Wire Wound
CERAMIC RES Ceramic
FUSIBLE RES Fusible

Schematic Location	Part No.	Description
--------------------	----------	-------------

"ASSY,PWB,DIGITAL J4JE"

CAPACITORS

C001	F1G1C104A077	CERAMIC	0.1U K	16V
C002	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C003	F1G1C104A077	CERAMIC	0.1U K	16V
C004	F1K1E475A106	CERAMIC	4.7U K	25V
C005	F1G1C104A077	CERAMIC	0.1U K	16V
C006	F1G1C104A077	CERAMIC	0.1U K	16V
C007	F1G1A105A047	CERAMIC	1U K	10V
C008	F1H1H104A913	CERAMIC	0.1U K	50V
C009	F1H1H104A913	CERAMIC	0.1U K	50V
C010	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C011	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C012	F1H1E474A100	CERAMIC	0.47U K	25V
C013	F1H1E474A100	CERAMIC	0.47U K	25V
C015	F1H1H104A913	CERAMIC	0.1U K	50V
C017	F1H1H104A913	CERAMIC	0.1U K	50V
C018	F1H1E474A100	CERAMIC	0.47U K	25V
C019	F1H1E474A100	CERAMIC	0.47U K	25V
C020	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C021	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C023	F1K1E475A106	CERAMIC	4.7U K	25V
C024	F1K1E475A106	CERAMIC	4.7U K	25V
C025	F1H0J4750004	CERAMIC	4.7U K	6.3V
C026	F1G1C104A077	CERAMIC	0.1U K	16V
C027	F1K1E475A106	CERAMIC	4.7U K	25V
C810	F1H0J4750004	CERAMIC	4.7U K	6.3V
C820	F1G1A105A047	CERAMIC	1U K	10V
C821	F1G1A105A047	CERAMIC	1U K	10V
C825	F1G1H222A571	CERAMIC	2200P K	50V
C1251	F1G1A105A047	CERAMIC	1U K	10V
C1252	F1G1A105A047	CERAMIC	1U K	10V
C1254	F1G1C104A077	CERAMIC	0.1U K	16V
C1255	F1G1A105A047	CERAMIC	1U K	10V
C1256	F1G1A105A047	CERAMIC	1U K	10V
C1257	F1G1A105A047	CERAMIC	1U K	10V
C1258	F1G1A105A047	CERAMIC	1U K	10V
C5500	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5503	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5504	F1G1C104A077	CERAMIC	0.1U K	16V
C5506	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5507	F1G1C104A077	CERAMIC	0.1U K	16V
C5509	F1G1C104A077	CERAMIC	0.1U K	16V
C5511	F1G1A105A047	CERAMIC	1U K	10V
C5512	F1G1C104A077	CERAMIC	0.1U K	16V
C5513	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5515	F1G1A105A047	CERAMIC	1U K	10V
C5517	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5518	F1G1C104A077	CERAMIC	0.1U K	16V
C5520	F1G1C104A077	CERAMIC	0.1U K	16V

Schematic Location	Part No.	Description
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C5522	F1G1C104A077	CERAMIC	0.1U K	16V
C5525	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5528	F1G1C104A077	CERAMIC	0.1U K	16V
C5529	F1G1C104A077	CERAMIC	0.1U K	16V
C5530	F1G1C104A077	CERAMIC	0.1U K	16V
C5532	F1G1C104A077	CERAMIC	0.1U K	16V
C5534	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5535	F1G1C104A077	CERAMIC	0.1U K	16V
C5536	F1G1C104A077	CERAMIC	0.1U K	16V
C5537	F1G1C104A077	CERAMIC	0.1U K	16V
C5538	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5540	F1G1C104A077	CERAMIC	0.1U K	16V
C5542	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5543	F1G1C104A077	CERAMIC	0.1U K	16V
C5545	F1G1C104A077	CERAMIC	0.1U K	16V
C5547	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5551	F1G1C104A077	CERAMIC	0.1U K	16V
C5552	F1J0J106A004	CERAMIC	10U K	6.3V
C5552	F1J0J106A020	CERAMIC	10U K	6.3V
C5553	F1G1C104A077	CERAMIC	0.1U K	16V
C5554	F1G1C104A077	CERAMIC	0.1U K	16V
C5555	F1G1C104A077	CERAMIC	0.1U K	16V
C5556	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5557	F1G1C104A077	CERAMIC	0.1U K	16V
C5558	F1G1A105A047	CERAMIC	1U K	10V
C5559	F1G1A105A047	CERAMIC	1U K	10V
C5560	F1G1A105A047	CERAMIC	1U K	10V
C5564	F1G1C104A077	CERAMIC	0.1U K	16V
C5565	F1G1C104A077	CERAMIC	0.1U K	16V
C5567	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5576	F1G1A105A047	CERAMIC	1U K	10V
C5577	F1G1A105A047	CERAMIC	1U K	10V
C5578	F1G1A105A047	CERAMIC	1U K	10V
C5579	F1G1C104A077	CERAMIC	0.1U K	16V
C5580	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5581	F1G1C104A077	CERAMIC	0.1U K	16V
C5582	F1G1C104A077	CERAMIC	0.1U K	16V
C5583	F1G1A105A047	CERAMIC	1U K	10V
C5585	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5586	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5587	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5588	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5589	F1G1C104A077	CERAMIC	0.1U K	16V
C5591	F1G1C104A077	CERAMIC	0.1U K	16V
C5593	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5597	F1G1C104A077	CERAMIC	0.1U K	16V
C5601	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5603	F1G1C104A077	CERAMIC	0.1U K	16V
C5604	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5605	F1G1C104A077	CERAMIC	0.1U K	16V
C5606	F1G1C104A077	CERAMIC	0.1U K	16V
C5607	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5608	CC1H180JMNCNG	CERAMIC	18P J	50V

Schematic Location	Part No.	Description			Schematic Location	Part No.	Description		
C5609	F1G1A105A047	CERAMIC	1U K	10V	C6603	F1G1C104A077	CERAMIC	0.1U K	16V
C5613	CC1H5R0CMNCNG	CERAMIC	5P C	50V	C6604	F1G1C104A077	CERAMIC	0.1U K	16V
C5614	CC1H5R0CMNCNG	CERAMIC	5P C	50V	C6605	F1G1C104A077	CERAMIC	0.1U K	16V
C5615	F1J0J106A004	CERAMIC	10U K	6.3V	C6606	F1G1C104A077	CERAMIC	0.1U K	16V
	F1J0J106A020	CERAMIC	10U K	6.3V	C6607	F1G1C104A077	CERAMIC	0.1U K	16V
C5616	F1J0J106A004	CERAMIC	10U K	6.3V	C6608	F1G1C104A077	CERAMIC	0.1U K	16V
C5616	F1J0J106A020	CERAMIC	10U K	6.3V	C6609	F1G1C104A077	CERAMIC	0.1U K	16V
C5622	F1G1C104A077	CERAMIC	0.1U K	16V	C6610	F1G1C104A077	CERAMIC	0.1U K	16V
C5623	F1G1C104A077	CERAMIC	0.1U K	16V	C6611	F1G1C104A077	CERAMIC	0.1U K	16V
C5626	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W	C6612	F1G1C104A077	CERAMIC	0.1U K	16V
C5627	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W	C6613	F1G1C104A077	CERAMIC	0.1U K	16V
C5630	CC1H180JMNCNG	CERAMIC	18P J	50V	C6614	F1G1C104A077	CERAMIC	0.1U K	16V
C5633	F1G1A105A047	CERAMIC	1U K	10V	C6615	F1G1C104A077	CERAMIC	0.1U K	16V
C5634	F1G1A105A047	CERAMIC	1U K	10V	C6616	F1G1C104A077	CERAMIC	0.1U K	16V
C5635	F1G1A105A047	CERAMIC	1U K	10V	C6617	F1G1C104A077	CERAMIC	0.1U K	16V
C5636	F1G1A105A047	CERAMIC	1U K	10V	C6618	F1G1C104A077	CERAMIC	0.1U K	16V
C5640	F1G1A105A047	CERAMIC	1U K	10V	C6627	F1G1C104A077	CERAMIC	0.1U K	16V
C5641	F1G1A105A047	CERAMIC	1U K	10V	C6650	F1G1C104A077	CERAMIC	0.1U K	16V
C5642	F1G1A105A047	CERAMIC	1U K	10V	C6651	F1G1A105A047	CERAMIC	1U K	10V
C5643	F1G1A105A047	CERAMIC	1U K	10V	C6652	F2G1C221A066	ELECT	220U M	16V
C5644	F1G1A105A047	CERAMIC	1U K	10V	C6701	F1G1C104A077	CERAMIC	0.1U K	16V
C5645	F1G1A105A047	CERAMIC	1U K	10V	C6702	F1G1H103A706	CERAMIC	0.01U K	50V
C5646	F1G1A105A047	CERAMIC	1U K	10V	C6703	F1K1E475A106	CERAMIC	4.7U K	25V
C5647	F1G1A105A047	CERAMIC	1U K	10V	C6705	F1G1H222A571	CERAMIC	2200P K	50V
C5660	F1G1C104A077	CERAMIC	0.1U K	16V	C6707	F1J0J106A004	CERAMIC	10U K	6.3V
C5722	F1H0J4750004	CERAMIC	4.7U K	6.3V		F1J0J106A020	CERAMIC	10U K	6.3V
C5727	F1G1H103A706	CERAMIC	0.01U K	50V	C6710	F1J0J106A004	CERAMIC	10U K	6.3V
C5728	F1G1H103A706	CERAMIC	0.01U K	50V		F1J0J106A020	CERAMIC	10U K	6.3V
C5731	F1G1H103A706	CERAMIC	0.01U K	50V	C6730	F1G1A105A047	CERAMIC	1U K	10V
C5736	F1G1H1020008	CERAMIC	1000P K	50V	C6731	F1G1A105A047	CERAMIC	1U K	10V
C5737	F1G1H1020008	CERAMIC	1000P K	50V	C6732	F1G1C104A077	CERAMIC	0.1U K	16V
C5738	F1G1C104A077	CERAMIC	0.1U K	16V	C6733	F1J0J106A004	CERAMIC	10U K	6.3V
C5763	F1H0J4750004	CERAMIC	4.7U K	6.3V	C6733	F1J0J106A020	CERAMIC	10U K	6.3V
C5950	F1H0J4750004	CERAMIC	4.7U K	6.3V	C6734	F1J0J106A004	CERAMIC	10U K	6.3V
C5953	D0GA103JA047	MT-GLAZE	10K JA	1/16W		F1J0J106A020	CERAMIC	10U K	6.3V
C6200	F1G1A105A047	CERAMIC	1U K	10V	C6741	F1G1H223A720	CERAMIC	0.022U K	50V
C6201	F1G1A105A047	CERAMIC	1U K	10V	C6742	F1G1H223A720	CERAMIC	0.022U K	50V
C6202	F1G1A105A047	CERAMIC	1U K	10V	C6743	F1K1E475A106	CERAMIC	4.7U K	25V
C6203	F1G1C104A077	CERAMIC	0.1U K	16V	C6745	F1G1H222A571	CERAMIC	2200P K	50V
C6205	F2G1C101A066	ELECT	100U M	16V	C6747	F1J0J106A004	CERAMIC	10U K	6.3V
C6206	F1G1C104A077	CERAMIC	0.1U K	16V		F1J0J106A020	CERAMIC	10U K	6.3V
C6250	F1G1A105A047	CERAMIC	1U K	10V	C6755	F1G1H1020008	CERAMIC	1000P K	50V
C6251	F1G1H471A541	CERAMIC	470P J	50V	C6757	F1J0J106A004	CERAMIC	10U K	6.3V
C6252	F1H0J4750004	CERAMIC	4.7U K	6.3V		F1J0J106A020	CERAMIC	10U K	6.3V
C6254	F1H1E474A100	CERAMIC	0.47U K	25V	C6761	F1J0J106A004	CERAMIC	10U K	6.3V
C6256	F1H0J4750004	CERAMIC	4.7U K	6.3V		F1J0J106A020	CERAMIC	10U K	6.3V
C6257	F1H0J4750004	CERAMIC	4.7U K	6.3V	C6762	F1H0J4750004	CERAMIC	4.7U K	6.3V
C6259	F1H0J4750004	CERAMIC	4.7U K	6.3V	C6763	F1J0J106A004	CERAMIC	10U K	6.3V
C6260	F1G1H471A541	CERAMIC	470P J	50V		F1J0J106A020	CERAMIC	10U K	6.3V
C6261	F1G1A105A047	CERAMIC	1U K	10V	C6771	F1J0J106A004	CERAMIC	10U K	6.3V
C6500	F1G1C104A077	CERAMIC	0.1U K	16V		F1J0J106A020	CERAMIC	10U K	6.3V
C6530	F1G1C104A077	CERAMIC	0.1U K	16V	C6772	F1H0J4750004	CERAMIC	4.7U K	6.3V
C6550	F1G1C104A077	CERAMIC	0.1U K	16V	C6773	F1J0J106A004	CERAMIC	10U K	6.3V
C6600	F1G1C104A077	CERAMIC	0.1U K	16V		F1J0J106A020	CERAMIC	10U K	6.3V
C6601	F1G1C104A077	CERAMIC	0.1U K	16V	C6783	F1J0J106A004	CERAMIC	10U K	6.3V
C6602	F1G1C104A077	CERAMIC	0.1U K	16V					

Schematic Location	Part No.	Description
	F1J0J106A020	CERAMIC 10U K 6.3V
C7600	F1G1C104A077	CERAMIC 0.1U K 16V
C7681	F1H0J4750004	CERAMIC 4.7U K 6.3V
C7682	F1G1C104A077	CERAMIC 0.1U K 16V
C7683	F1G1C104A077	CERAMIC 0.1U K 16V

DIODES

D850	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D6501	B0JCGD000002	DIODE RB551V-30-TE-17
	B0JCGD000014	DIODE DSF05S30U
D6502	B0JCGD000002	DIODE RB551V-30-TE-17
	B0JCGD000014	DIODE DSF05S30U
D6503	B0JCGD000002	DIODE RB551V-30-TE-17
	B0JCGD000014	DIODE DSF05S30U
D6650	B0ZBZ0000174	DIODE DF2S6.8UFS
D6651	B0ZBZ0000174	DIODE DF2S6.8UFS
D6700	B0JCND000033	DIODE CRS20I30A
D6702	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D6740	B0JCND000033	DIODE CRS20I30A
D6760	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D6770	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)

INTEGRATED CIRCUITS

IC001	QLV4906V-H—P	IC LV4906V-TLM-H
IC820	QLE24C162M-EP	IC LE24C162M-TLM-E
IC1251	C0JBAR000390	IC CD4052BNSR
	QTC4052BF—P	IC TC4052BF(EL)
IC5500	QMN2WS0161A-M	IC MN2WS0161A
IC5760	QXXAVD265—M	IC V59C1512164QDJ25
IC6250	C0ABBB000350	IC BA4558RF-E2
	C0ABBB000450	IC NJM4558M-TE2
IC6600	QTDA9996—P	IC TDA9996
IC6650	C0DBZY00458	IC RT9711CGB
IC6700	QLV5893M-E—P	IC LV5893M-TE-L-E
IC6730	C0CBAYG00009	IC LM1117S-ADJ
IC6740	QLV5893M-E—P	IC LV5893M-TE-L-E
IC6760	C0DBEYY00016	IC PQ070XNA1ZPH
IC6770	C0DBEYY00016	IC PQ070XNA1ZPH
IC6780	C0CBAYG00009	IC LM1117S-ADJ
IC7600	QXXAAJQ1353—	IC W25Q64CVSFIG J4JE
IC7600A	QXXAVD296—P	IC W25Q64CVSFIG
IC7600C	1AA6P4P2271—	LABEL-W25Q64CVSFIG J4JE
IC7682	C0EBY0000932	IC IC-PST8428NR

Schematic Location	Part No.	Description
COILS		
L001	JOJBC0000134	"INDUCTOR 1000OHM, P"
L002	G1C220MA0445	"INDUCTOR ,22UH"
L003	G1C220MA0445	"INDUCTOR ,22UH"
L004	G1C220MA0445	"INDUCTOR ,22UH"
L005	G1C220MA0445	"INDUCTOR ,22UH"
L006	JOJYC0000381	"INDUCTOR , 220 OHM"
L007	JOJYC0000381	"INDUCTOR , 220 OHM"
L008	JOJYC0000381	"INDUCTOR , 220 OHM"
L820	JOJBC0000134	"INDUCTOR 1000OHM, P"
L830	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1251	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5500	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5502	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5503	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5504	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5505	JOJYC0000381	"INDUCTOR , 220 OHM"
L5506	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5507	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5508	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5509	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5510	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5511	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5512	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5513	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5514	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5515	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5516	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5517	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5518	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5519	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5520	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5521	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5523	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L5524	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L5525	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L5600	JOJBC0000134	"INDUCTOR 1000OHM, P"
L5621	G1C4R7M00016	"INDUCTOR,4.7U M"
L5622	G1C4R7M00016	"INDUCTOR,4.7U M"
L5950	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L6202	JOJBC0000134	"INDUCTOR 1000OHM, P"
L6203	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6204	G1C3R3MA0061	"INDUCTOR,3.3U M"
L6205	JOJYC0000381	"INDUCTOR , 220 OHM"
L6250	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6310	D1HYR004A012	R-NETWORK 0X4 0.063W
L6311	D1HYR004A012	R-NETWORK 0X4 0.063W
L6312	D1HYR004A012	R-NETWORK 0X4 0.063W
L6313	D1HYR004A012	R-NETWORK 0X4 0.063W
L6314	D1HYR004A012	R-NETWORK 0X4 0.063W
L6315	D1HYR004A012	R-NETWORK 0X4 0.063W
L6600	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L6650	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6700	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6701	1AV4L2KQ100MG	"INDUCTOR,10U M"
	G1C100MA0445	INDUCTOR 10U M

Schematic Location	Part No.	Description
L6702	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6703	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6704	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6705	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6730	JOJYC0000381	"INDUCTOR , 220 OHM"
L6740	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6741	1AV4L2KQ100MG	"INDUCTOR,10U M"
L6741	G1C100MA0445	INDUCTOR 10U M
L6760	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6761	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6771	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

TRANSISTORS

Q820	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q821	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
	TXXLBB005—P	TR MMBTSA1235F
Q860	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1251	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1252	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q5500	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q5501	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
	TXXLBB005—P	TR MMBTSA1235F
Q5660	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q5661	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6250	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6252	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6260	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
	TXXLBB005—P	TR MMBTSA1235F
Q6750	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q6751	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R

Schematic Location	Part No.	Description
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RESISTORS

R004	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R005	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R006	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R007	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R802	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R803	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R810	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R811	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R820	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R821	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R822	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R823	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R824	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R825	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R826	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R827	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R828	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R829	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R832	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R834	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R837	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R839	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R840	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R842	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R843	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R844	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R845	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R846	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R847	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R850	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R851	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R852	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R853	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R854	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R855	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R860	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R861	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R862	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R863	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R866	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R867	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R868	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R869	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1251	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1252	D0GB334JA068	MT-GLAZE 330K JA 1/10W
R1253	D0GB334JA068	MT-GLAZE 330K JA 1/10W
R1254	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1255	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1256	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1257	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1258	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1259	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1260	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1261	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1262	D0GB101JA069	MT-GLAZE 100 JA 1/10W

Schematic Location	Part No.	Description
R1263	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1264	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1265	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1266	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1272	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1273	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1274	D0GB334JA068	MT-GLAZE 330K JA 1/10W
R1275	D0GB334JA068	MT-GLAZE 330K JA 1/10W
R1276	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1277	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1281	D0GB334JA068	MT-GLAZE 330K JA 1/10W
R1282	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1283	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1284	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1285	D0GB334JA068	MT-GLAZE 330K JA 1/10W
R1286	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R1287	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R1288	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R5500	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5502	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5503	D0GB331JA069	MT-GLAZE 330 JA 1/10W
R5504	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5505	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5511	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R5512	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R5516	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5518	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5526	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5527	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5531	D0GB390JA072	MT-GLAZE 39 JA 1/10W
R5532	D0GB390JA072	MT-GLAZE 39 JA 1/10W
R5539	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5550	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5551	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5552	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5553	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5555	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5557	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R5558	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R5562	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5563	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R5564	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5566	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R5567	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R5570	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5571	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5572	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5574	D0GB561JA069	MT-GLAZE 560 JA 1/10W
R5577	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5578	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R5579	D0GB560JA072	MT-GLAZE 56 JA 1/10W
R5580	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5582	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5583	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5584	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5585	D0GB102JA071	MT-GLAZE 1K JA 1/10W

Schematic Location	Part No.	Description
R5586	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5587	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5588	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5589	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5594	D0GB122JA072	MT-GLAZE 1.2K JA 1/10W
R5596	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5597	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5598	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5599	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5600	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5604	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R5606	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5611	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R5612	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5613	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5614	D0GB820JA072	MT-GLAZE 82 JA 1/10W
R5617	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5618	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5620	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5622	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5624	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5627	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5628	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5630	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5633	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R5635	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R5637	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R5639	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5640	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R5643	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R5644	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R5646	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5647	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5648	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5649	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5650	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5652	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5653	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5654	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5656	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5657	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5658	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5659	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5660	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5661	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5662	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5664	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5666	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5668	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5669	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R5672	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5675	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5676	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5678	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5688	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5716	D0GA103JA047	MT-GLAZE 10K JA 1/16W

Schematic Location	Part No.	Description
R5720	D0GA121JA045	MT-GLAZE 120 JA 1/16W
R5760	D0GB271JA069	MT-GLAZE 270 JA 1/10W
R5763	D0GB271JA069	MT-GLAZE 270 JA 1/10W
R5764	D0GA103JA047	MT-GLAZE 10K JA 1/16W
R5951	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5953	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5954	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R5957	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5958	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5959	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5960	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5969	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R6201	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6202	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6203	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R6208	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6212	D0GB271JA069	MT-GLAZE 270 JA 1/10W
R6213	D0GB271JA069	MT-GLAZE 270 JA 1/10W
R6250	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6251	D0GB471JA069	MT-GLAZE 470 JA 1/10W
R6253	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6254	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6255	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6256	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R6257	D0GB683JA070	MT-GLAZE 68K JA 1/10W
R6259	D0GB683JA070	MT-GLAZE 68K JA 1/10W
R6260	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R6262	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6263	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6264	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6265	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6267	D0GB471JA069	MT-GLAZE 470 JA 1/10W
R6268	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6305	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R6307	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R6308	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R6310	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R6311	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R6322	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6323	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6324	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6502	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6503	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6505	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6506	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6507	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6508	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6509	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6510	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6511	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6512	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6513	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6514	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6532	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6534	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6536	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W

Schematic Location	Part No.	Description
R6537	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6538	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6539	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6540	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6541	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6542	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6543	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6544	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6545	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6552	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6553	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6555	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6556	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6557	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6563	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6564	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6565	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6566	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6567	D0GB5R6JA072	MT-GLAZE 5.6 JA 1/10W
R6568	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6569	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6603	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R6604	D0GB123ZA038	MT-GLAZE 12K FA 1/10W
R6612	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6613	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6615	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6616	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6652	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6655	D0GB270JA072	MT-GLAZE 27 JA 1/10W
R6656	D0GB270JA072	MT-GLAZE 27 JA 1/10W
R6657	D0GB153JA072	MT-GLAZE 15K JA 1/10W
R6658	D0GB153JA072	MT-GLAZE 15K JA 1/10W
R6701	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6702	D0GB390JA072	MT-GLAZE 39 JA 1/10W
R6703	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
R6704	D0GB682JA072	MT-GLAZE 6.8K JA 1/10W
R6705	D0GB273ZA038	MT-GLAZE 27K FA 1/10W
R6708	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
R6711	D0GB1R0JA071	MT-GLAZE 1 JA 1/10W
R6730	D0GB121ZA038	MT-GLAZE 120 FA 1/10W
R6731	D0GB120JA072	MT-GLAZE 12 JA 1/10W
R6732	D0GB221Z0002	MT-GLAZE 220 FA 1 /10W
R6734	D0GB2R2JA072	MT-GLAZE 2.2 JA 1/10W
R6741	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6742	D0GB390JA072	MT-GLAZE 39 JA 1/10W
R6743	D0GB222ZA038	MT-GLAZE 2.2K FA 1/10W
R6744	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6745	D0GB122ZA038	MT-GLAZE 1.2K FA 1/10W
R6748	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6751	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6752	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6753	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6754	D0GB2R2JA072	MT-GLAZE 2.2 JA 1/10W
R6756	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6763	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R6765	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R6766	D0GB471ZA037	MT-GLAZE 470 FA 1/10W
R6767	D0GB102ZA038	MT-GLAZE 1K FA 1/10W
R6769	D0GB680JA072	MT-GLAZE 68 JA 1/10W
R6771	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R6773	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6774	D0GB471ZA037	MT-GLAZE 470 FA 1/10W
R6775	D0GB102ZA038	MT-GLAZE 1K FA 1/10W
R6777	D0GB680JA072	MT-GLAZE 68 JA 1/10W
R6781	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R6782	D0GB220JA072	MT-GLAZE 22 JA 1/10W
R6783	D0GB471JA069	MT-GLAZE 470 JA 1/10W
R6785	D0GB2R2JA072	MT-GLAZE 2.2 JA 1/10W
R6787	D0GB121J0002	MT-GLAZE 120 JA 1/10W
R7607	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R7608	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R7609	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R7678	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R7679	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R7681	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R7687	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R7689	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R7690	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R7692	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R7693	D0GB103JA072	MT-GLAZE 10K JA 1/10W

CRYSTALS/OSCILLATORS

X5500 1AV4V10B9620G "OSC,CRYSTAL 24.576MHZ"

"ASSY,PWB,ANALOG-COMP-J4JE"

CAPACITORS

C1020	F2A1V4700087	ELECT 47U M 35V
C1051	F1H1H102A219	CERAMIC 1000P K 50V
C1052	F1H1H102A219	CERAMIC 1000P K 50V
C1600	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C1602	F2A0J2210063	ELECT 220U M 6.3V
C1603	F1H1H104A220	CERAMIC 0.1U Z 50V
C1604	F2A1V4710080	ELECT 470U M 35V
C1620	F2A1V4710080	ELECT 470U M 35V
C1621	F1H1H104A913	CERAMIC 0.1U K 50V
C1622	F1H1H104A913	CERAMIC 0.1U K 50V
C1623	F1K1H105A138	CERAMIC 1U K 50V
C1625	F1H1H472A219	CERAMIC 4700P K 50V
C1626	F1J1E105A171	CERAMIC 1U K 25V
C1627	F2A1V4710080	ELECT 470U M 35V
C1640	F1H1H104A220	CERAMIC 0.1U Z 50V
C1641	F1J1E105A171	CERAMIC 1U K 25V
C1642	F2A1V4700087	ELECT 47U M 35V
C1643	F1H1H104A220	CERAMIC 0.1U Z 50V
C1644	F2A1V4710080	ELECT 470U M 35V
C1666	F2A1V4710080	ELECT 470U M 35V
C1800	F1H1H104A220	CERAMIC 0.1U Z 50V

Schematic Location	Part No.	Description
C1801	F1J0J106A004	CERAMIC 10U K 6.3V
	F1J0J106A020	CERAMIC 10U K 6.3V
C1802	F1H1H103A219	CERAMIC 0.01U K 50V
C1803	F1H1H103A219	CERAMIC 0.01U K 50V
C1804	F1H1H104A220	CERAMIC 0.1U Z 50V
C2405	F1H1H104A220	CERAMIC 0.1U Z 50V
C2410	F1H1H104A220	CERAMIC 0.1U Z 50V
C2411	F1H1H104A220	CERAMIC 0.1U Z 50V
C3900	F1H1H104A220	CERAMIC 0.1U Z 50V
C3902	F1H1H104A220	CERAMIC 0.1U Z 50V
C3904	F1J0J106A004	CERAMIC 10U K 6.3V
C3904	F1J0J106A020	CERAMIC 10U K 6.3V

DIODES

D1620	B0JCND000033	DIODE CRS20I30A
D1621	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1641	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1668	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1700	B0JCGD000002	DIODE RB551V-30-TE-17
	B0JCGD000014	DIODE DSF05S30U
D2405	B0JCGD000002	DIODE RB551V-30-TE-17
	B0JCGD000014	DIODE DSF05S30U
D3904	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R100025	ZENER DIODE 02DZ6.2Y(TPH3)
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B

INTEGRATED CIRCUITS

IC1600	C0CBAYG00009	IC LM1117S-ADJ
IC1620	QLV58063MX-HP	IC LV58063MX-TLM-H
IC1640	C0CBAYG00009	IC LM1117S-ADJ
IC2401	C0JBAA000570	"IC TC7SH08F,LJ(T"
IC2402	C0JBAA000570	"IC TC7SH08F,LJ(T"

COILS

L1611	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1612	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1620	G0C150M00005	"INDUCTOR,15UH"
L1622	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1640	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1641	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1642	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1643	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1645	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1702	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1703	JOJYC0000381	"INDUCTOR , 220 OHM"
L1704	JOJYC0000381	"INDUCTOR , 220 OHM"
L1709	JOJYC0000381	"INDUCTOR , 220 OHM"

Schematic Location	Part No.	Description
L1710	J0JYC0000381	"INDUCTOR , 220 OHM"
L1717	RGF2202JTAANL	MT-GLAZE 22K JA 1/10W
L1801	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1802	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1902	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

TRANSISTORS

Q1645	T2SC2859-Y—P	TR 2SC2859-Y TE85L
Q1810	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q1813	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q3900	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R
Q3901	B3L000000032	IC GA1A2S100LY
Q3902	B1ABDF000013	TR 2SC3928A1R
	B1ABDF000024	TR 2SC3928A1S
	TXXLBB006—P	TR MMBTSC3928R

RESISTORS

R1004	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1009	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1020	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1022	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1023	D0GB820JA072	MT-GLAZE 82 JA 1/10W
R1024	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R1028	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1033	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1038	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1043	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1051	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1052	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R1054	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1055	D0GB104JA068	MT-GLAZE 100K JA 1/10W
R1600	D0GB121ZA038	MT-GLAZE 120 FA 1/10W
R1601	D0GB120JA072	MT-GLAZE 12 JA 1/10W
R1602	D0GB221Z0002	MT-GLAZE 220 FA 1 /10W
R1621	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1622	D0GB102ZA038	MT-GLAZE 1K FA 1/10W
R1623	D0GB562JA072	MT-GLAZE 5.6K JA 1/10W
R1624	D0GB472ZA038	MT-GLAZE 4.7K FA 1/10W
R1625	D0GB102ZA038	MT-GLAZE 1K FA 1/10W
R1640	D0GB121ZA038	MT-GLAZE 120 FA 1/10W
R1641	D0GB120JA072	MT-GLAZE 12 JA 1/10W
R1642	D0GB821ZA037	MT-GLAZE 820 FA 1/10W
R1645	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1646	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1647	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
R1662	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1663	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1664	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R1665	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1667	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1668	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R1702	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1707	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1708	D0GB333JA070	MT-GLAZE 33K JA 1/10W
R1776	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1800	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1801	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R1802	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R1803	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1804	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
R1805	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R1806	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
R1810	D0GB331JA069	MT-GLAZE 330 JA 1/10W
R1811	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1812	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1813	D0GB331JA069	MT-GLAZE 330 JA 1/10W
R2400	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R2401	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R2405	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2407	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2408	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2409	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2410	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R2411	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R2412	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R2413	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R2414	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2415	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2416	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2417	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R2420	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R2421	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R2422	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R1901	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R1902	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R1903	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R1904	D0GB272JA072	MT-GLAZE 2.7K JA 1/10W
R1905	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R1906	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1907	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R1908	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R1909	D0GB822JA072	MT-GLAZE 8.2K JA 1/10W
R1910	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R1911	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R1912	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R3900	D0GB224JA068	MT-GLAZE 220K JA 1/10W
R3902	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R3903	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R3904	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R3905	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R3906	D0GB331JA069	MT-GLAZE 330 JA 1/10W
R3907	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R3908	D0GB221JA069	MT-GLAZE 220 JA 1/10W
R3909	D0GB221JA069	MT-GLAZE 220 JA 1/10W

Schematic Location	Part No.	Description
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R3913	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R3914	D0GB221JA069	MT-GLAZE 220 JA 1/10W

SWITCHES

SW1901	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"
SW1902	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"
SW1903	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"
SW1904	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"
SW1905	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"
SW1906	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"
SW1907	1AV4S10B5650J	"SWITCH,PUSH 1P-1TX1"

Schematic Location	Part No.	Description
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MISCELLANEOUS

⚠ A100	1AA0B10N309A0	"ASSY,PWB,DIGITAL J4JE"
⚠ A300	1AA0B10N319A0	"ASSY,PWB,ANALOG-COMP-J4JE"
⚠ A310	1AA0B10N319AA	"ASSY,PWB,ANALOG-J4JE"
⚠ A320	1AA0B10N319AB	"ASSY,PWB,KEY_SW-J4JE"
⚠ A330	1AA0B10N319AC	"ASSY,PWB,RC_LED-J4JE"
⚠ A3900	B3RAB0000094	"UNIT,REMOCON,RECEIVER"
⚠ A6200	1AV4F1BAZ0170	"TUNER,U/V"
⚠ EL901	1AV4T44B03300	PDP MODULE
EL902	1AV4Z12B66100	OPTICAL FILTER
KAC	JOHAYY000120	"UNIT,NOISE FILTER"
K5A	K1KY40B00017	"PLUG,HOUSING 40P"
K5B	K1KY32B00007	"PLUG,HOUSING 32P"
K5DL	K1KA04AA0150	"PLUG,4P"
K5FA	K1KA04AA0150	"PLUG,4P"
K5LV	K1KY39A00001	"PLUG,39P(40-1)"
K6501	1LB4J11B0780M	"SOCKET,HDMI 19P"
K6502	1LB4J11B0780M	"SOCKET,HDMI 19P"
K6503	1LB4J11B0780M	"SOCKET,HDMI 19P"
KDSP	K1KA04AA0180	"PLUG,4P"
KUSB	K1FY104B0066	"SOCKET,USB 4P"
KUSB	K1FY104B0069	"SOCKET,USB 4P"
K1004	1LB4J12B14600	"JACK,RCA-7"
K1005	K2HA5YYB0002	"JACK,RCA-5"
K16A	K1KY40BA0348	"SOCKET,PWB 40P"
K16B	K1KY32BA0348	"SOCKET,PWB 32P"
K2400	K1FY115B0027	"SOCKET,D-SUB 15P"
K2401	K2HC1YYB0066	"JACK,PHONE D3.6"
K2405	K2HA2YYB0022	"JACK,RCA-2"
K8B	1AA9W0EDQ003-	NON STANDARD WIRE ASSY-JPN
K8CTR	1AA96DQCNA02W	STANDARD WIRE ASSY-JPN
K8FRA	1AA94DQCNA02W	STANDARD WIRE ASSY-JPN
SPL	LOAA12C00015	"SPEAKER,8"
SPR	LOAA12C00015	"SPEAKER,8"
⚠ U901	1AV4U20C54800	"UNIT,POWER"
⚠ WK5LV-PN	1AA4W30B66400	"LVDS CABLE,40P-30P"

"For Digital board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,DIGITAL J4JE

Japan BOM part number: 1AA0B10N309A0

"For Analog board replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,ANALOG-J4JE

Japan BOM part number: 1AA0B10N319AA

NOTE: This sub assembly (A310) is from ASSY,PWB,ANALOG-COMP-J4JE (A300)

"For KEW_SW unit replacement please get the correct assembly name/part number"

Service Name: ASSY,PWB,KEY_SW-J4JE

Japan BOM part number: 1AA0B10N319AB

NOTE: This sub assembly (A320) is from ASSY,PWB,ANALOG-COMP-J4JE (A300)

"For RC_LED unit replacement please get the correct assembly name/part number"

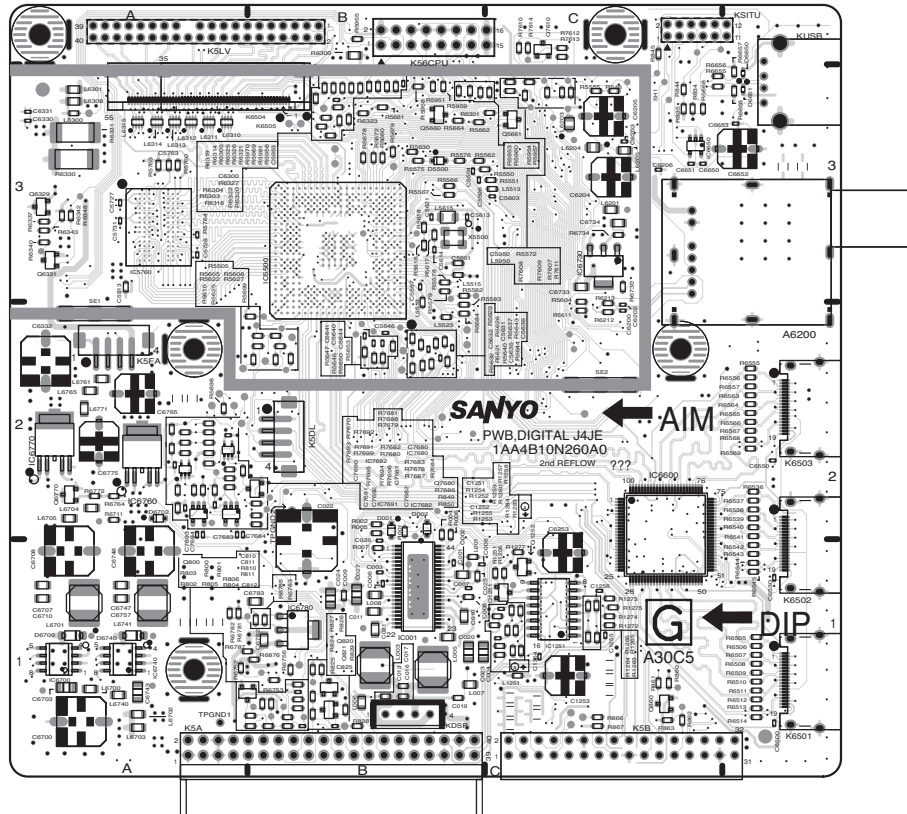
Service Name: ASSY,PWB,RC_LED-J4JE

Japan BOM part number: 1AA0B10N319AC

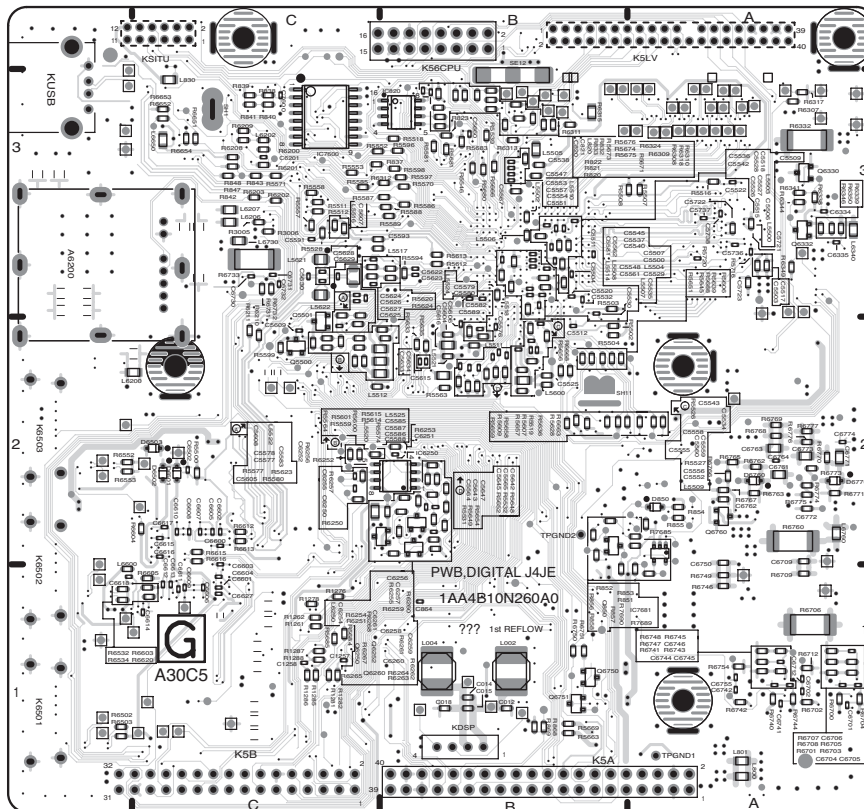
NOTE: This sub assembly (A330) is from ASSY,PWB,ANALOG-COMP-J4JE (A300)

COMPONENT AND TEST POINT LOCATIONS

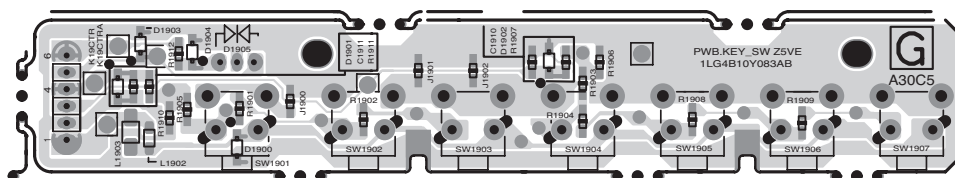
DIGITAL BOARD PARTS SIDE



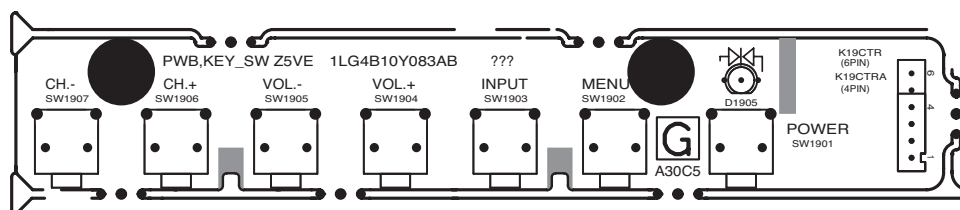
DIGITAL BOARD SOLDER SIDE



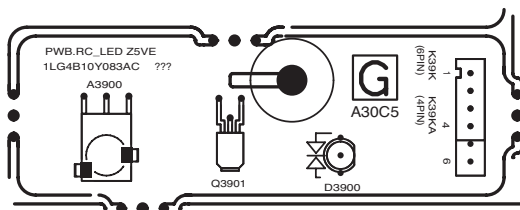
CONTROL BOARD PART SIDE



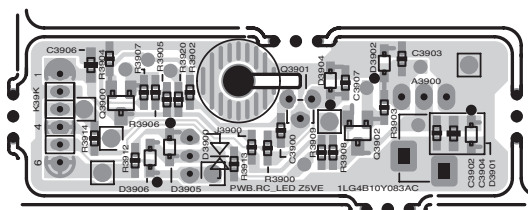
CONTROL BOARD SOLDER SIDE



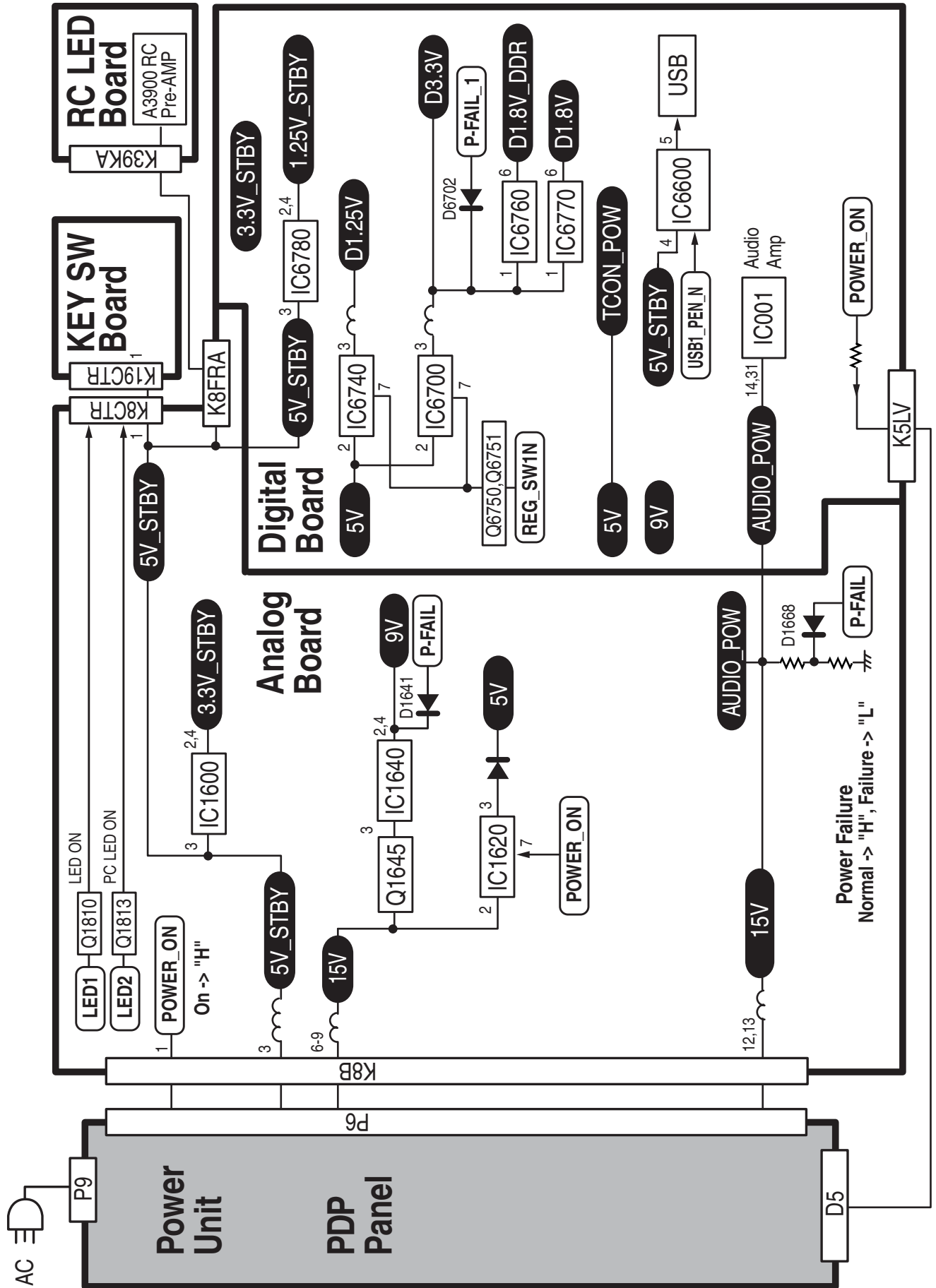
PWB RC_LED PART SIDE



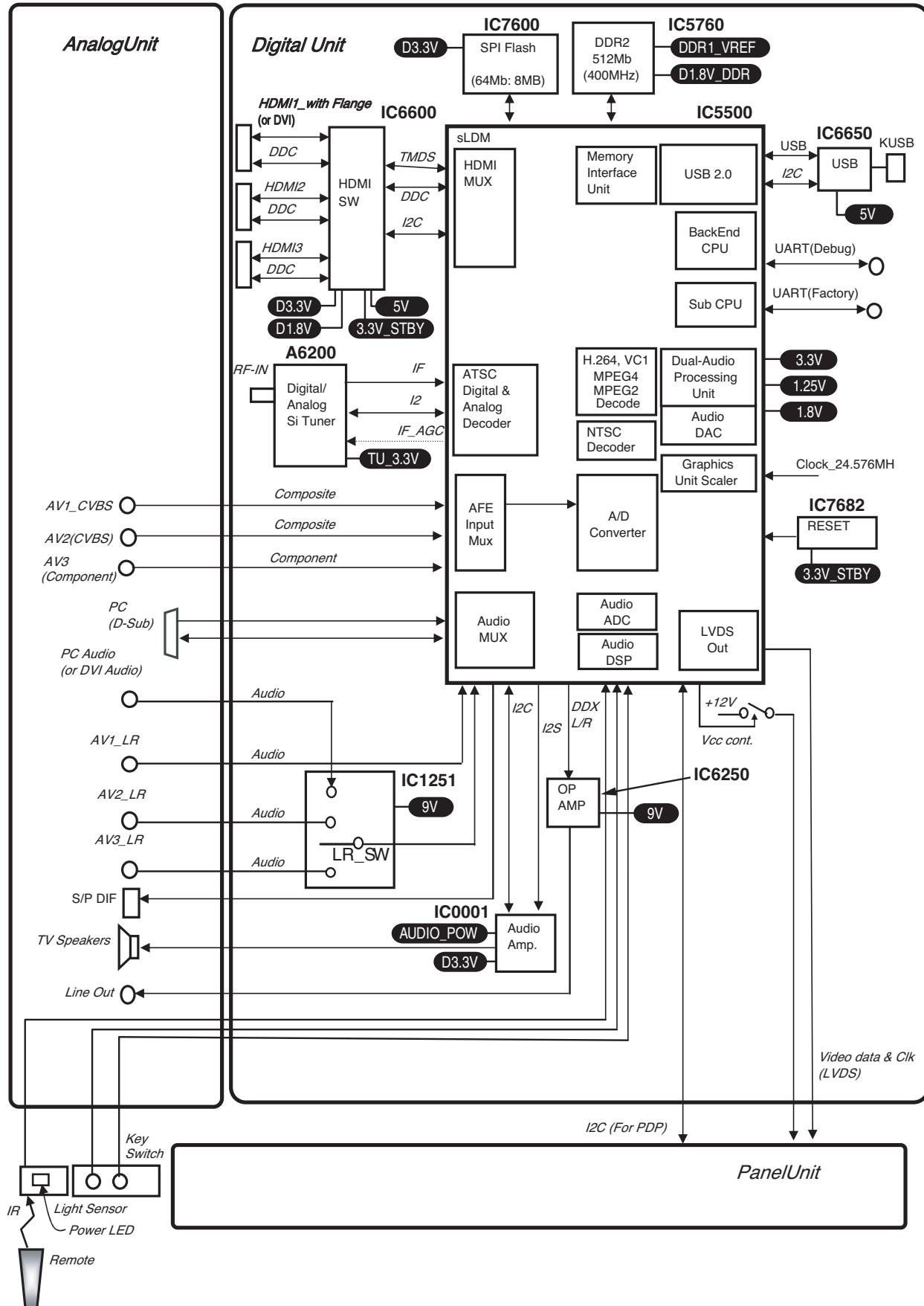
PWB RC_LED SOLDER SIDE



BLOCK DIAGRAM POWER LINES

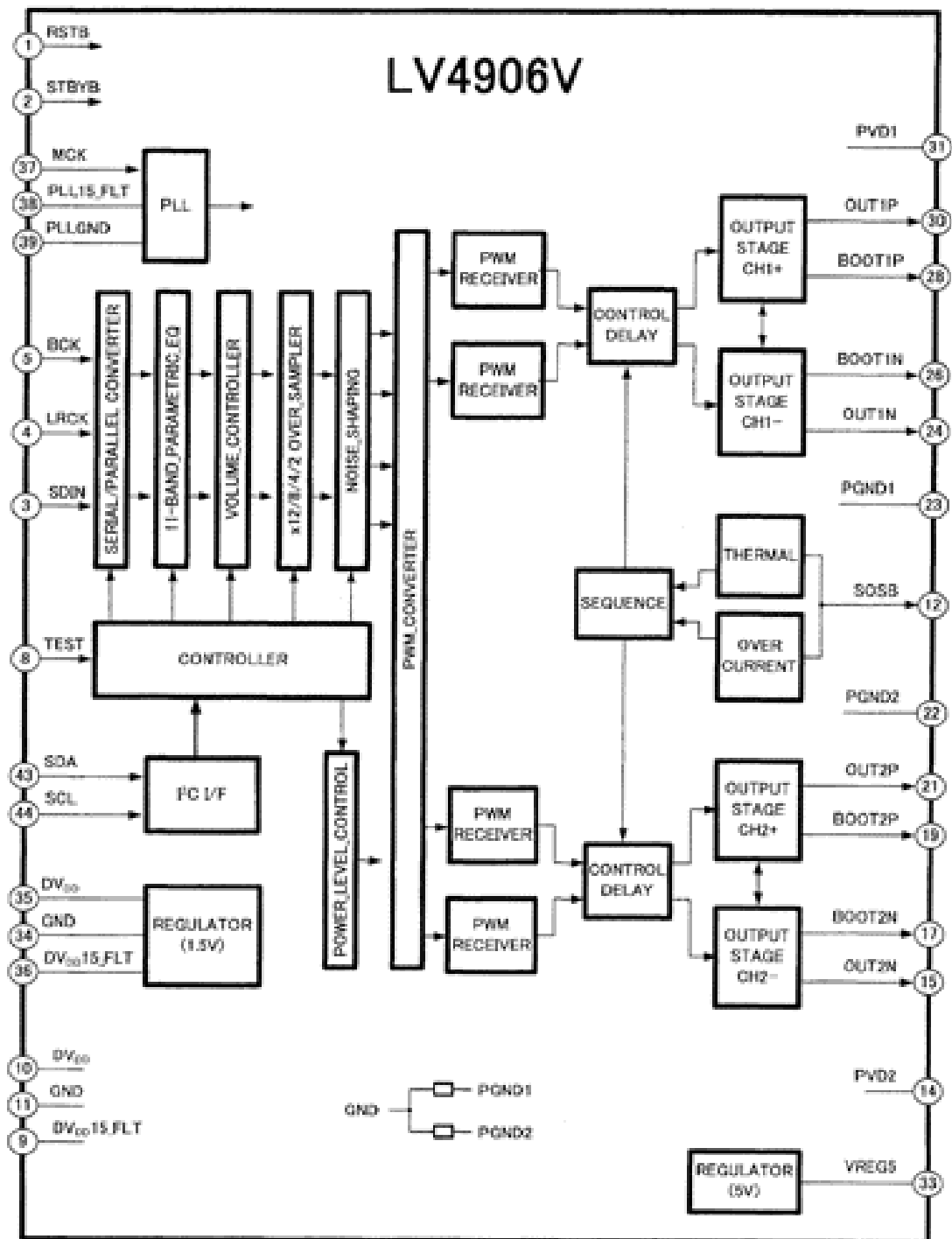


BLOCK DIAGRAM SIGNAL LINES



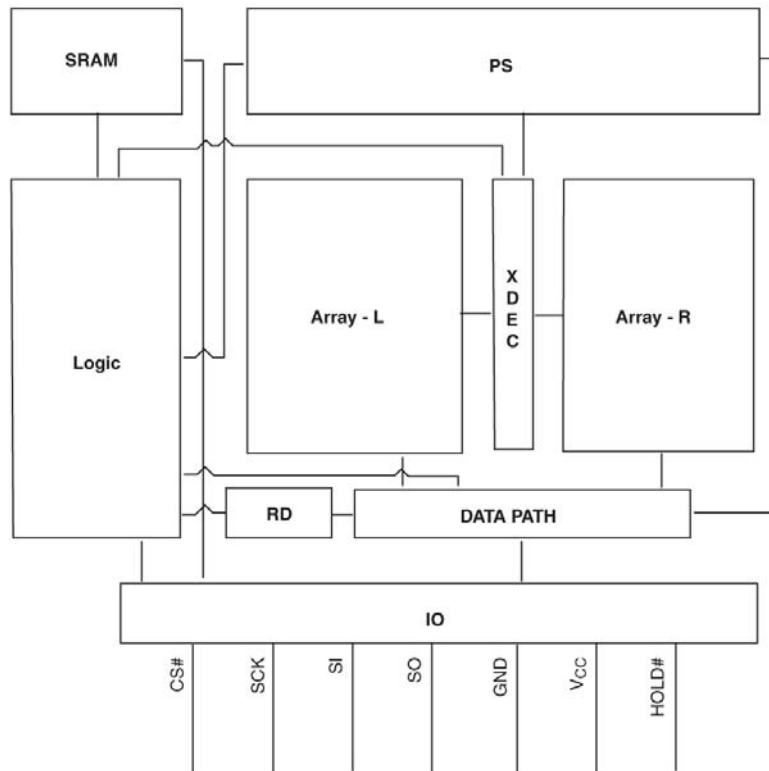
IC BLOCK DIAGRAMS

IC001, Audio AMP



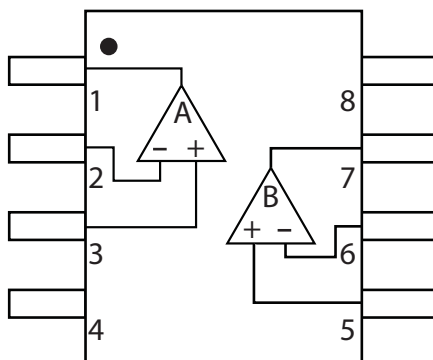
IC BLOCK DIAGRAMS (CONT.)

IC7600, Flash Memory



IC6250, Dual operational amplifier

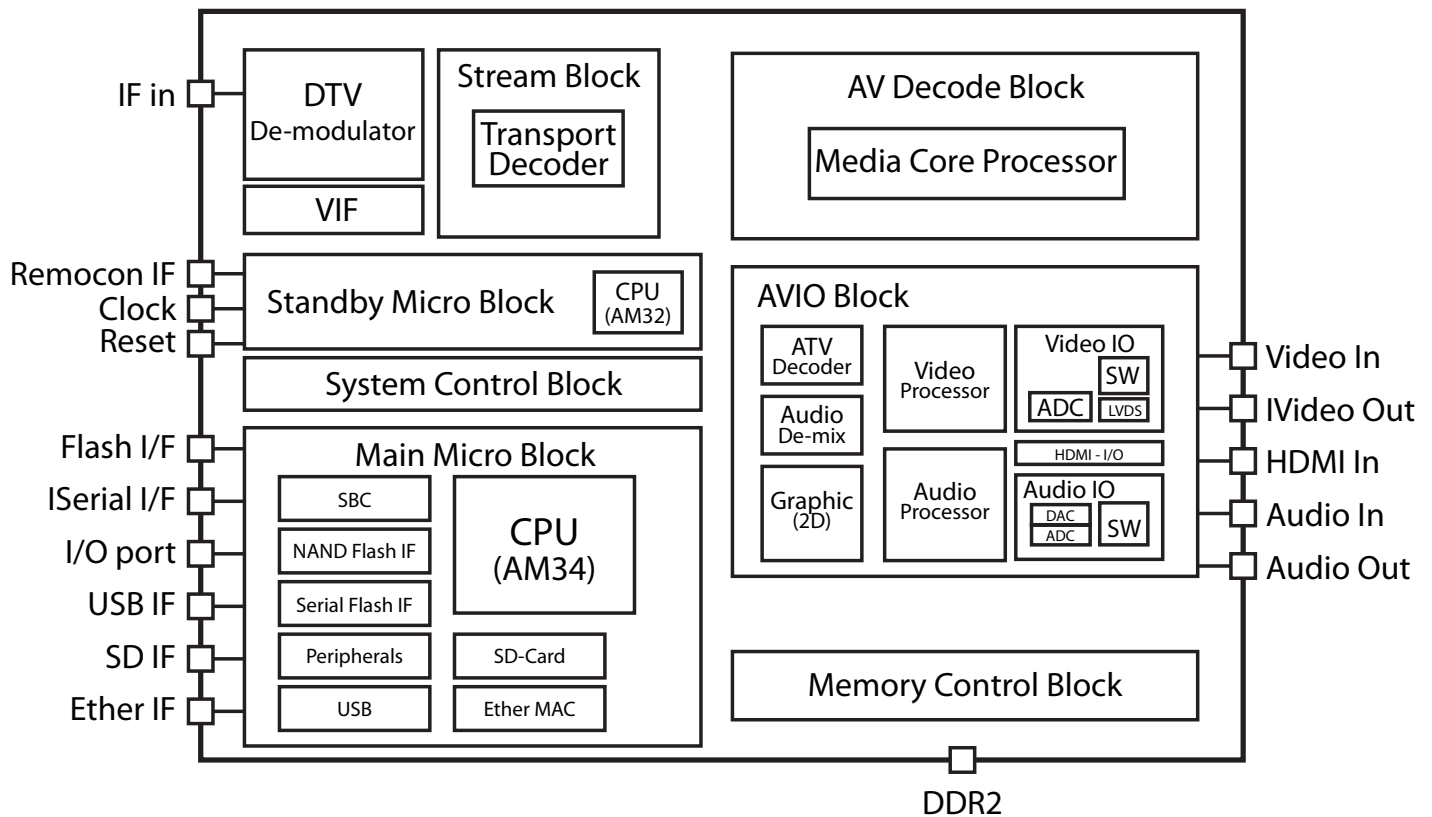
D, M, E - Type
(Top view)



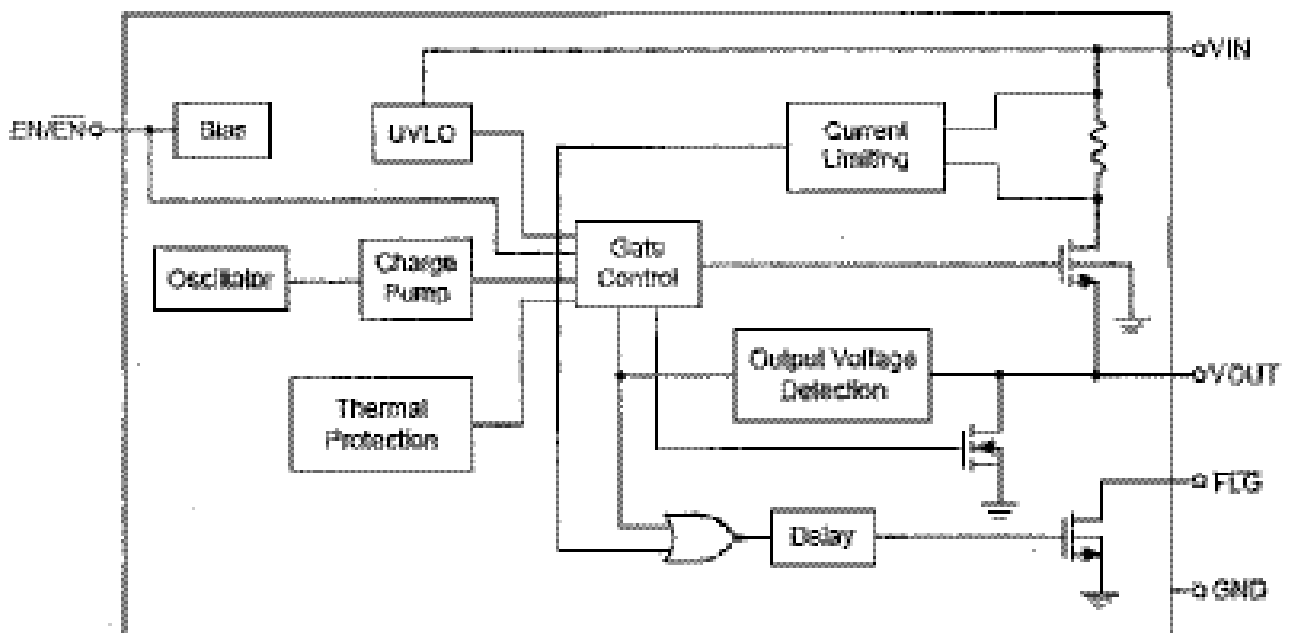
PIN FUNCTION

1. A OUTPUT
2. A -INPUT
3. A +INPUT
4. V-
5. B +INPUT
6. B -INPUT
7. B OUTPUT
8. V+

IC5500 Main Chip signal processor

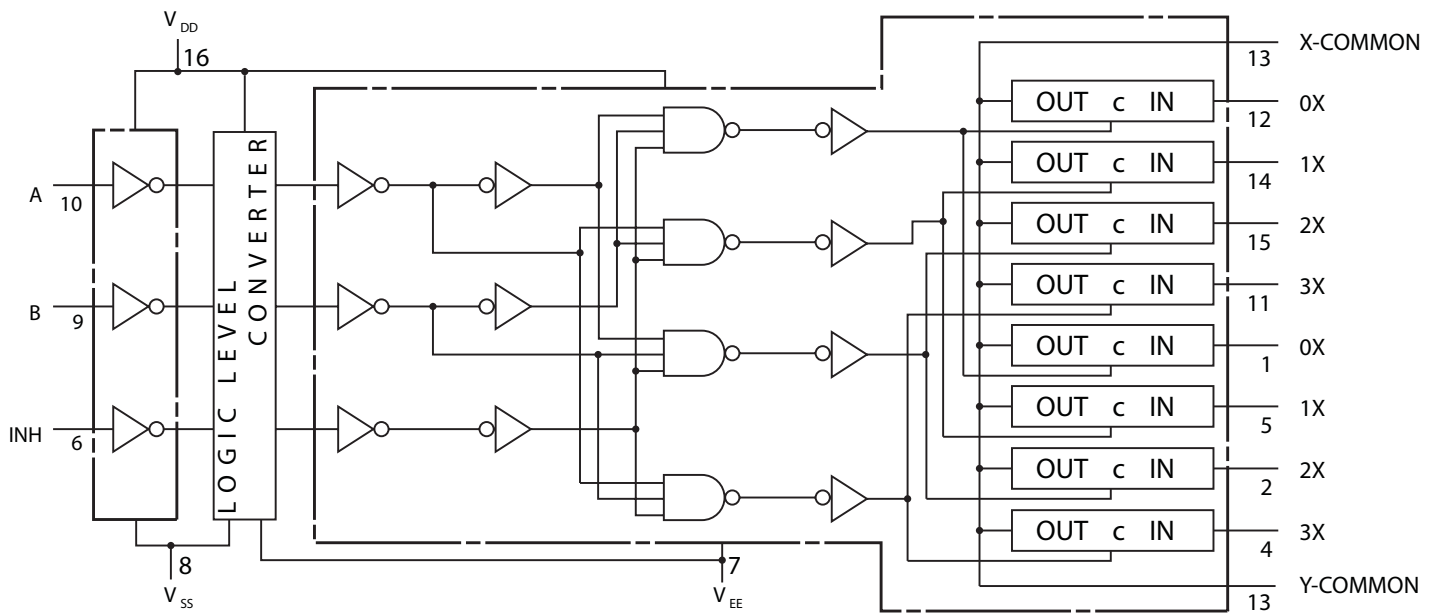


IC 6650, USB Protection

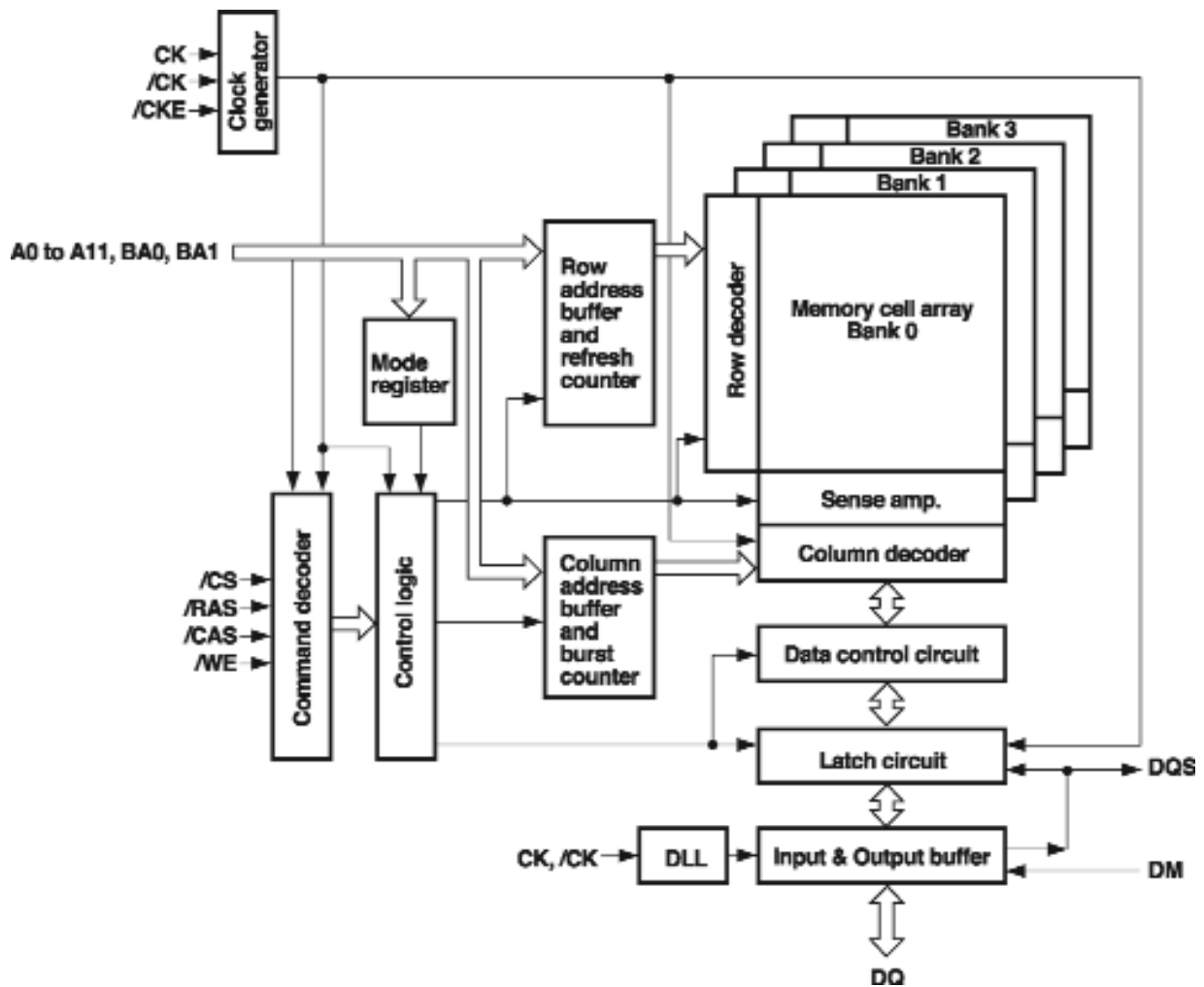


IC BLOCK DIAGRAMS (CONT.)

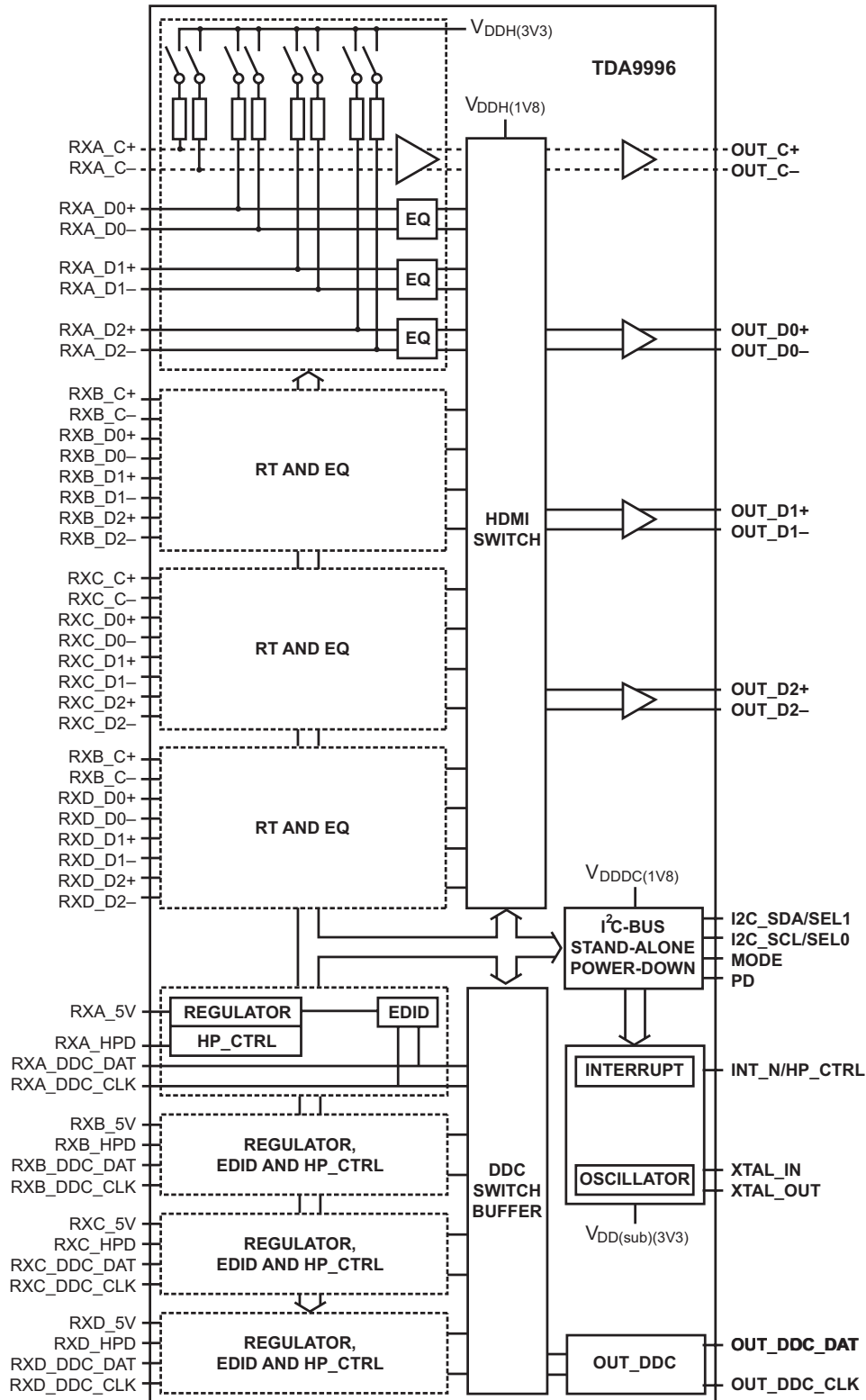
IC1251, Multiplexer



IC5700, DDR: Double Data Rate SDRAM

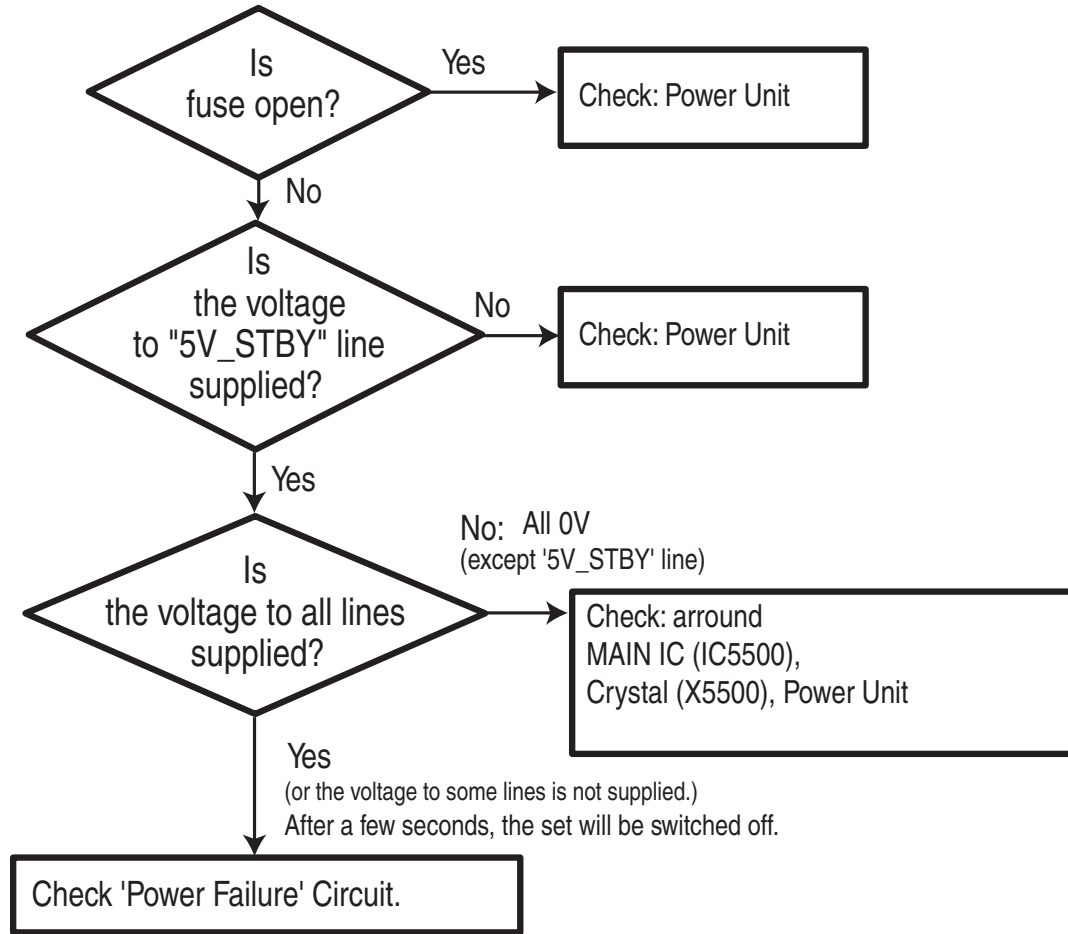


IC 6600, HDMI Switcher



TROUBLESHOOTING FLOW CHARTS

NO POWER



Power Failure Line

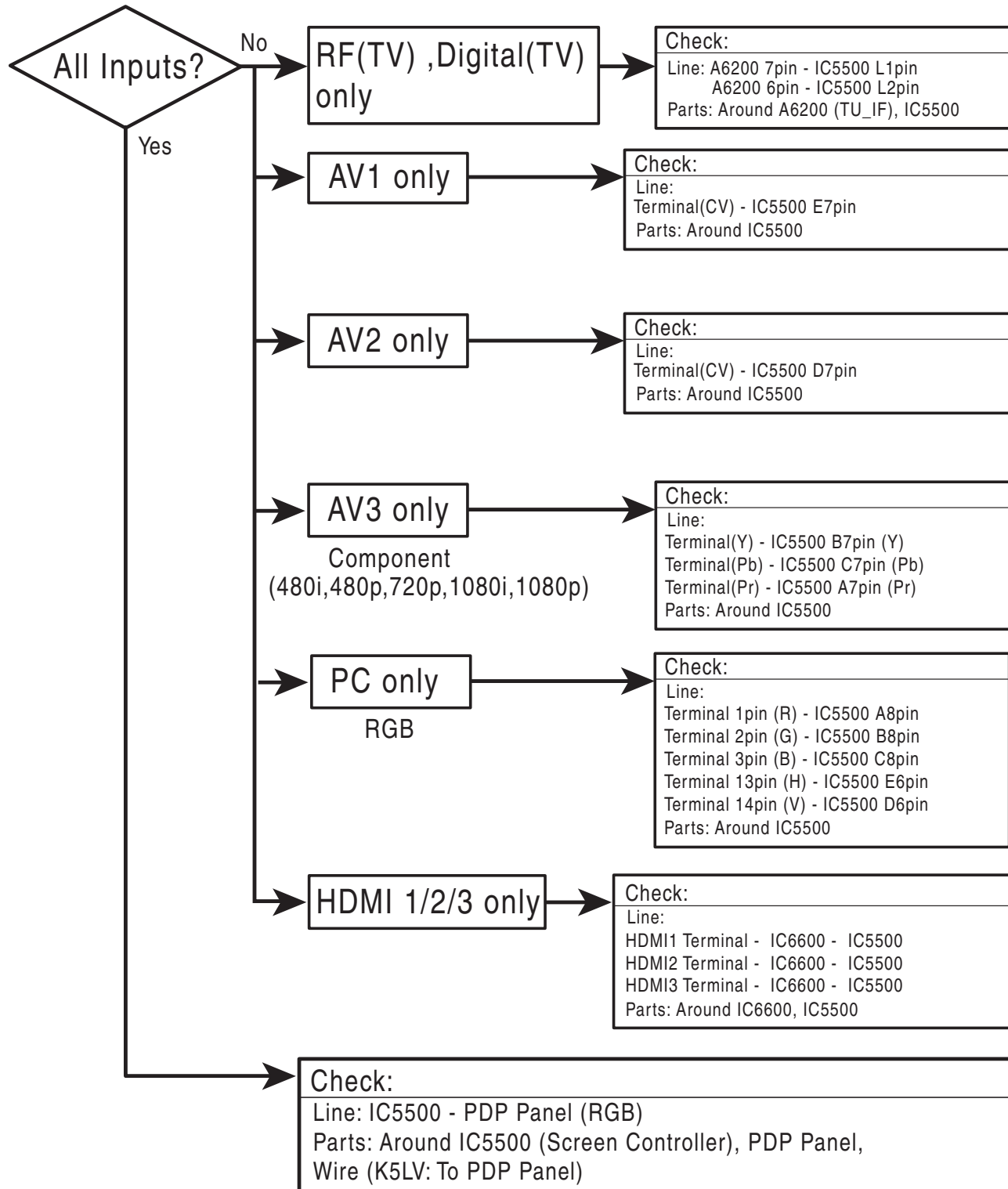
MAIN IC (IC5500) W7 pin



Diod	Detected Voltage
D1641	9V
D1621	5V
D1668	AUDIO_POW
D6702	3.3V

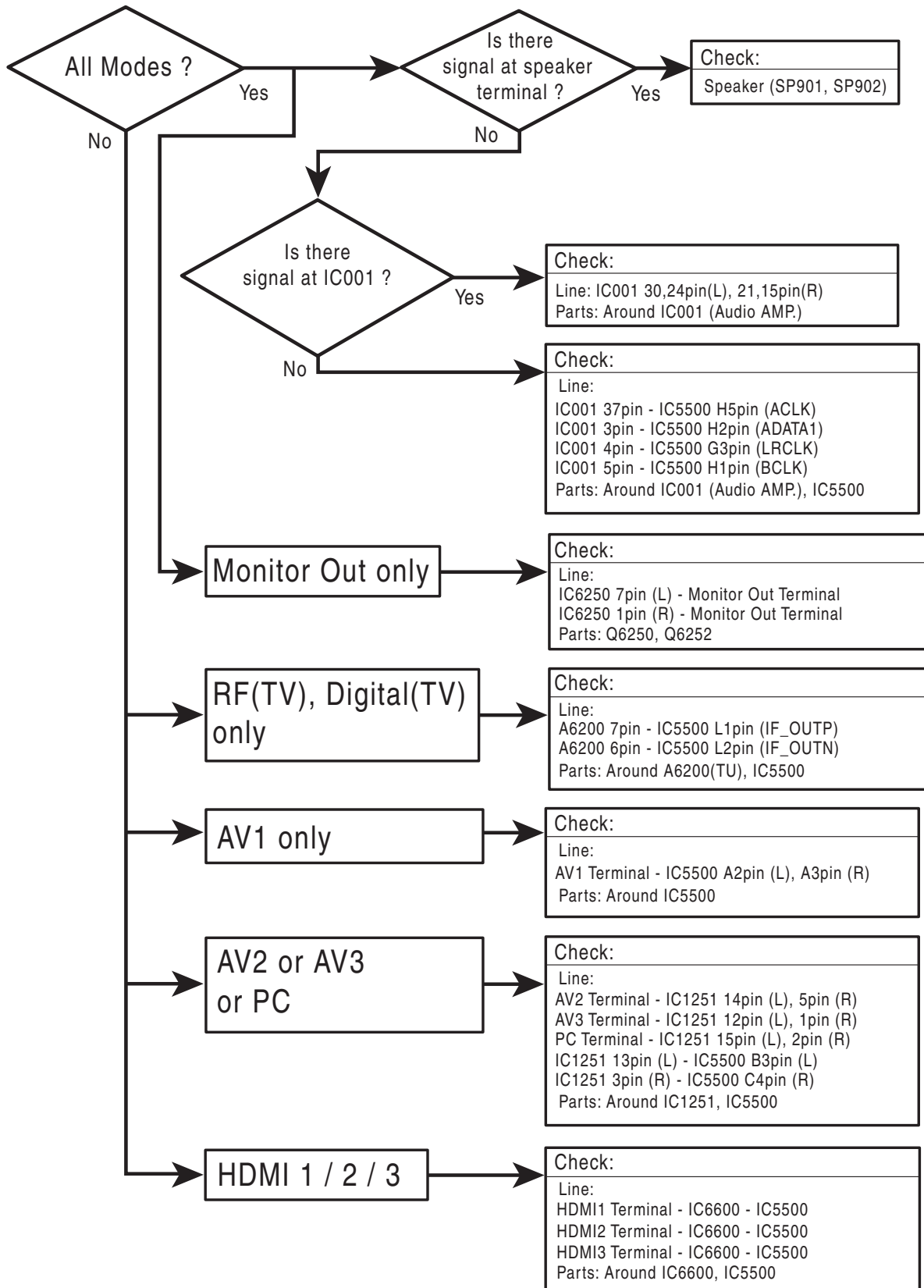
TROUBLESHOOTING FLOW CHARTS (CONT.)

NO VIDEO

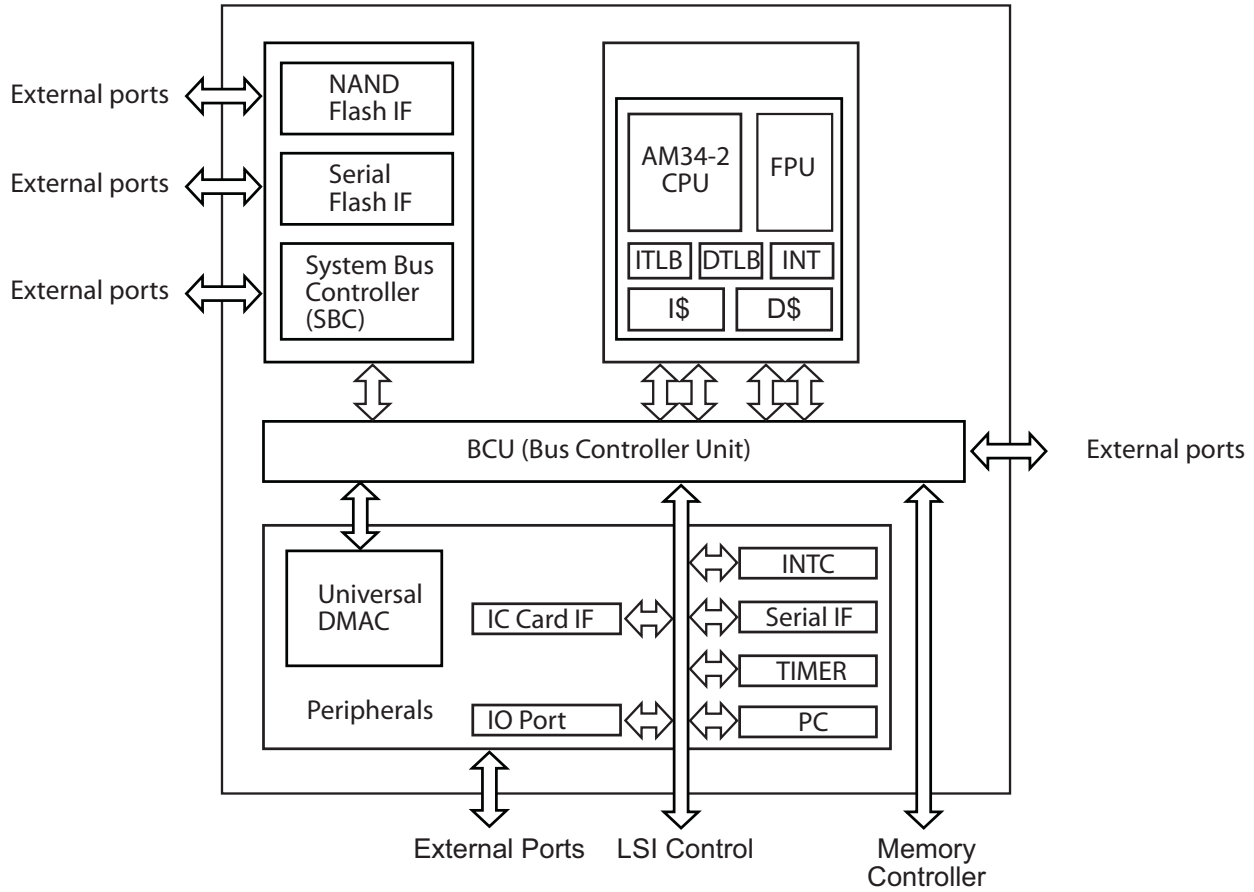


TROUBLESHOOTING FLOW CHARTS (CONT.)

NO AUDIO







BLOCK DIAGRAM OF MAIN MICOM



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerance and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless otherwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an * may vary with signal strength.
8. The Symbol  indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with  are related with X-radiation.
10. Isolation border line.  Cold Side  Hot Side
11. Schematic part location numbers may not always match the schematic symbols.
The schematic symbols and part descriptions are correct and should be used.
The part descriptions will be listed under the location number in the parts list.





ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

SERVICE NOTES:

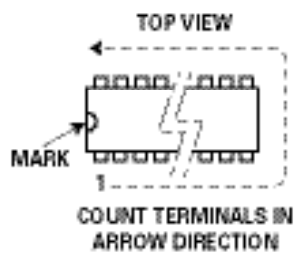
1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

PRODUCT SAFETY NOTICE

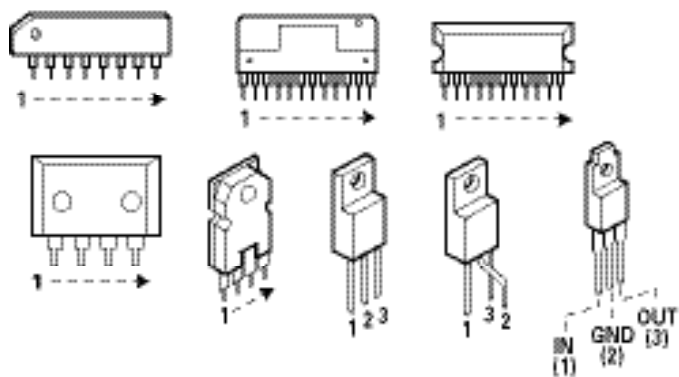
THE COMPONENTS DESIGNATED BY A  ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A  NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

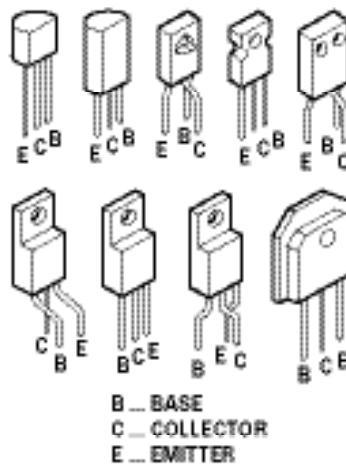
INTEGRATED CIRCUITS



SIDE VIEW

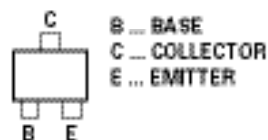


TRANSISTORS

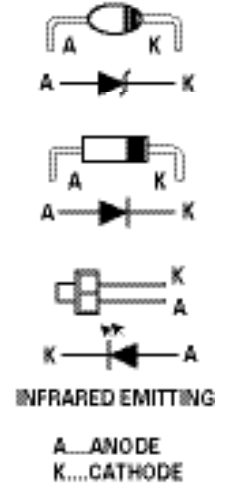


CHIP TRANSISTORS

TOP VIEW

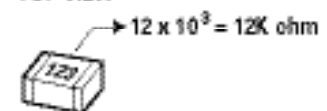


DIODES



CHIP RESISTORS

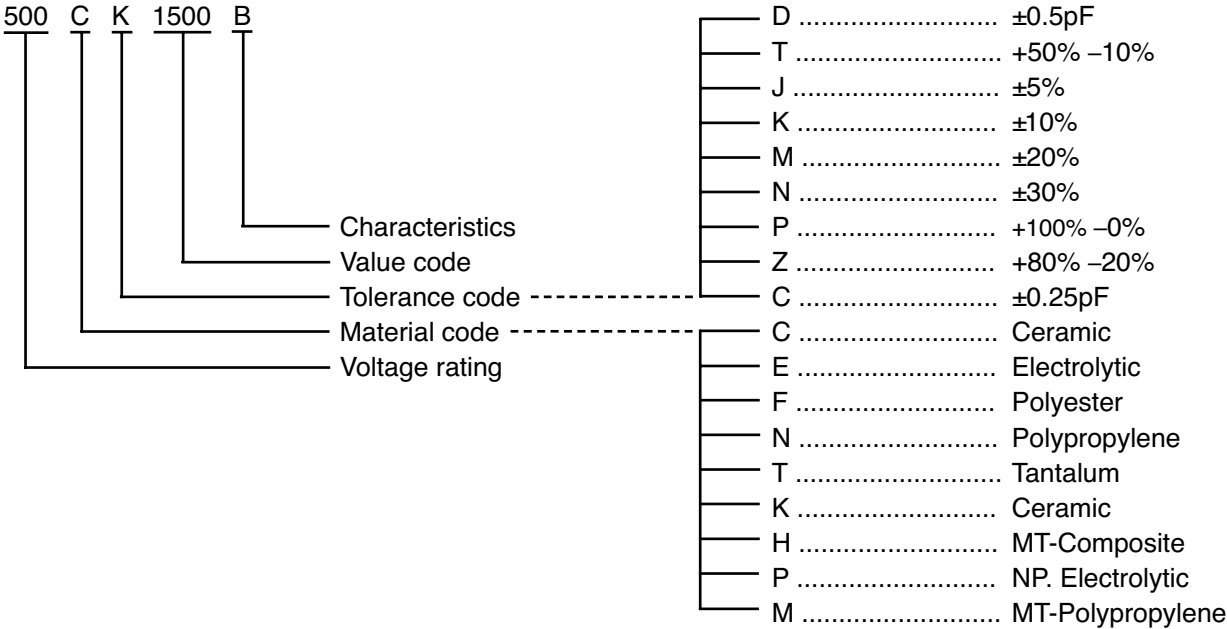
TOP VIEW



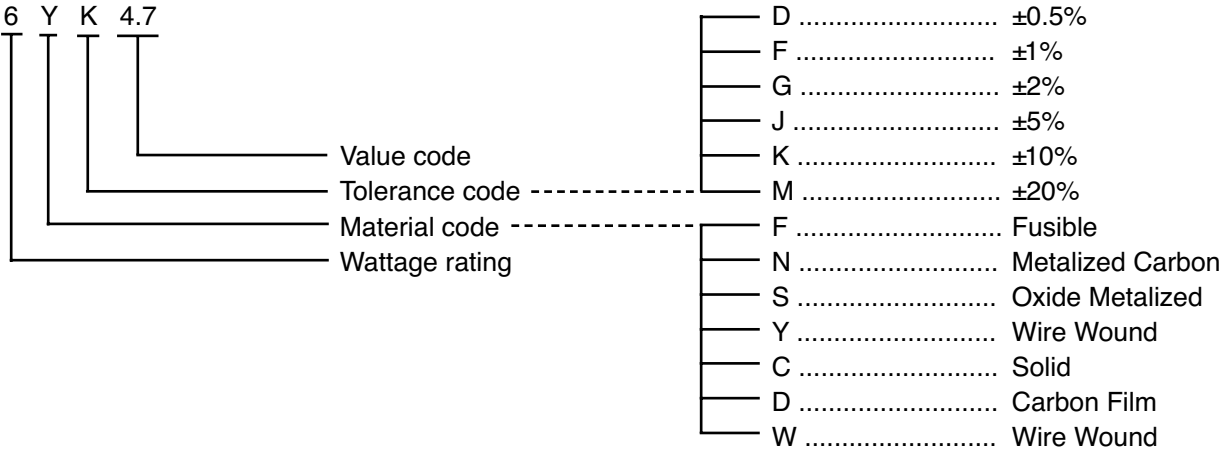
[illegible]

CAPACITOR AND RESISTOR CODE CHART

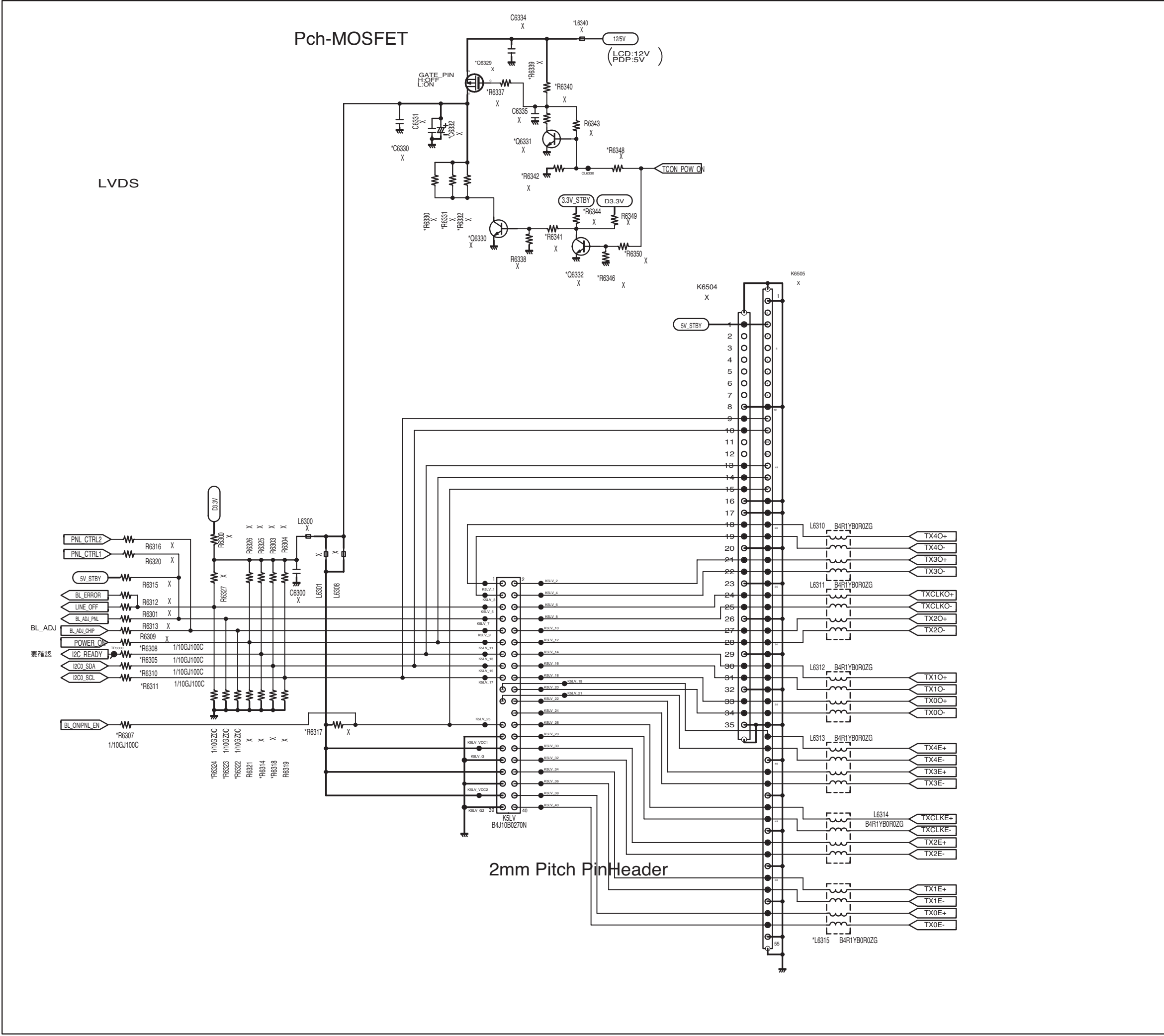
CAPACITOR (Example)



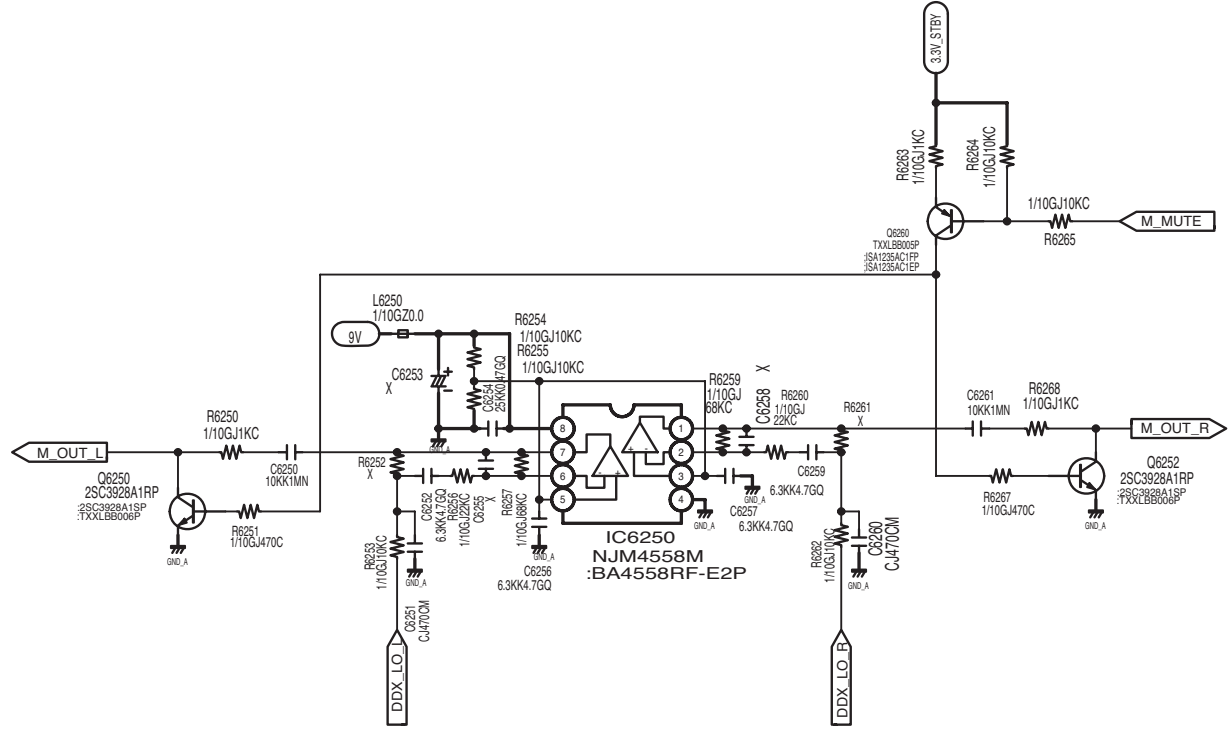
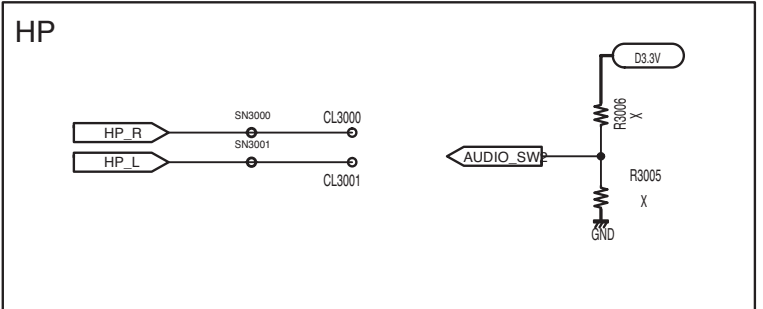
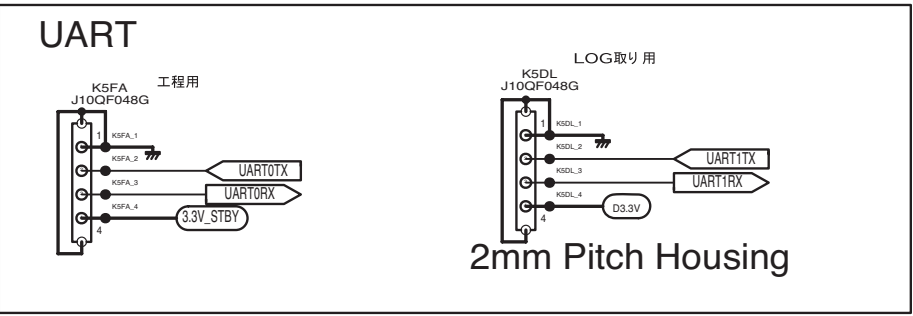
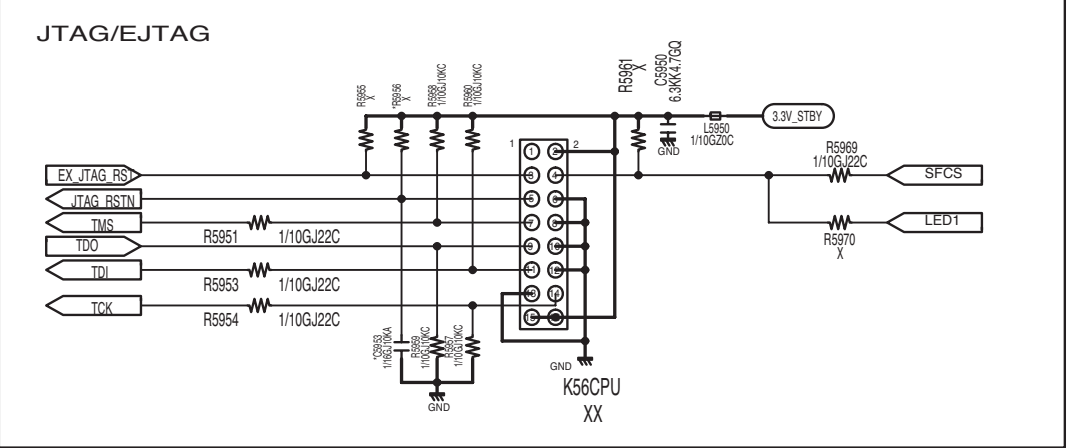
RESISTOR (Example)



For parts or service contact
Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000

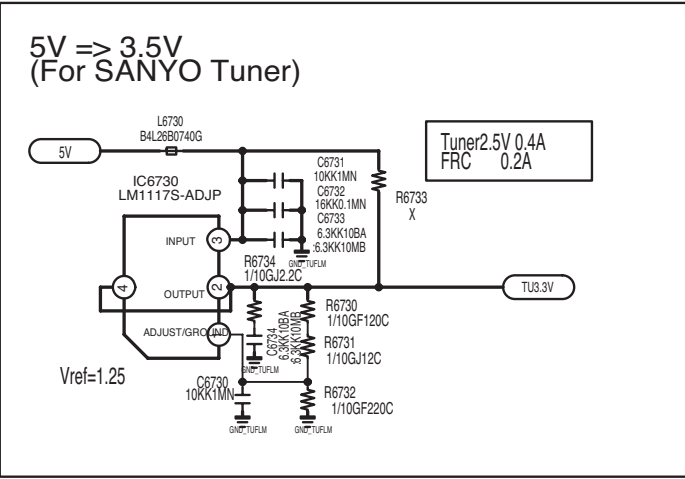
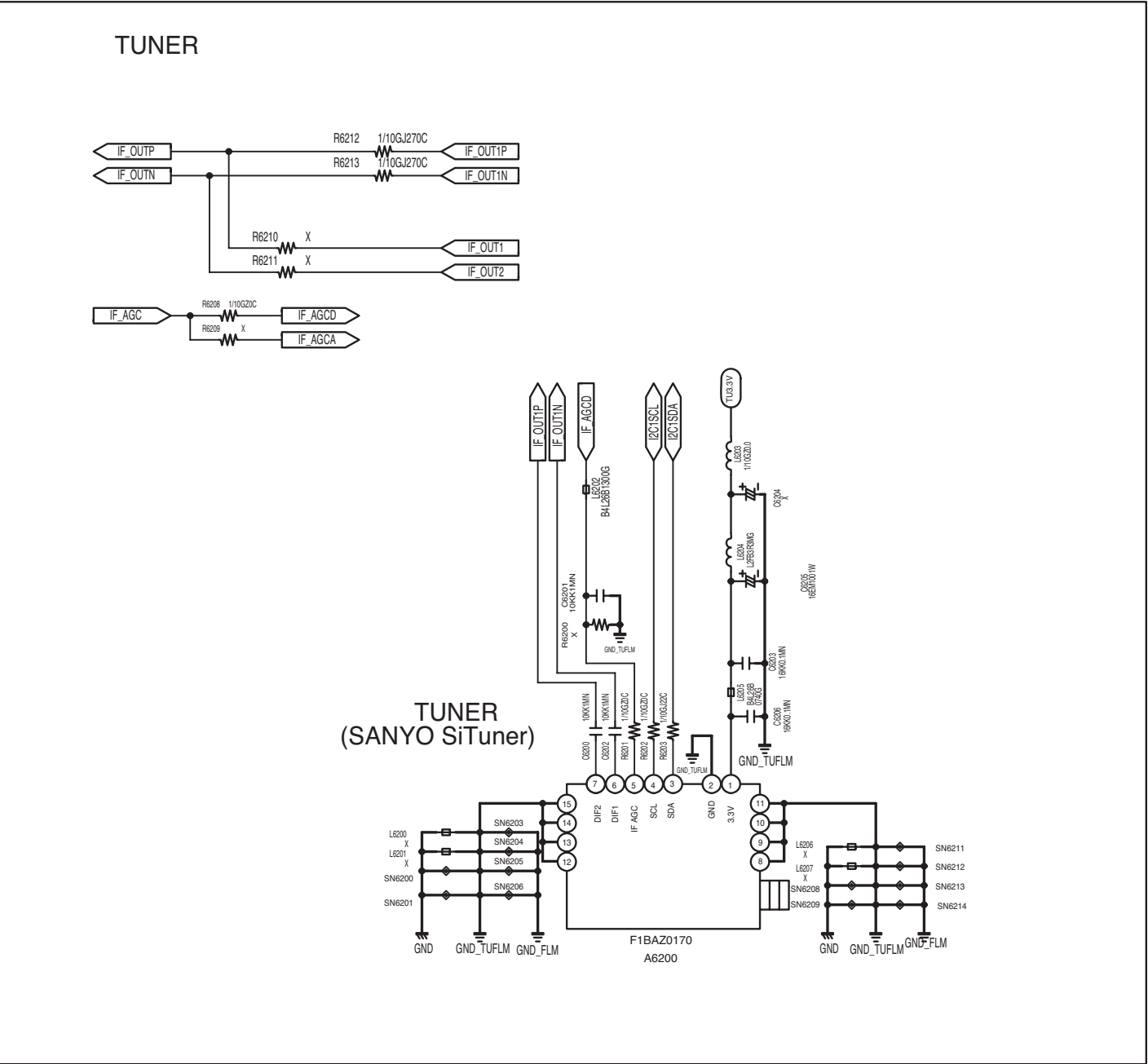
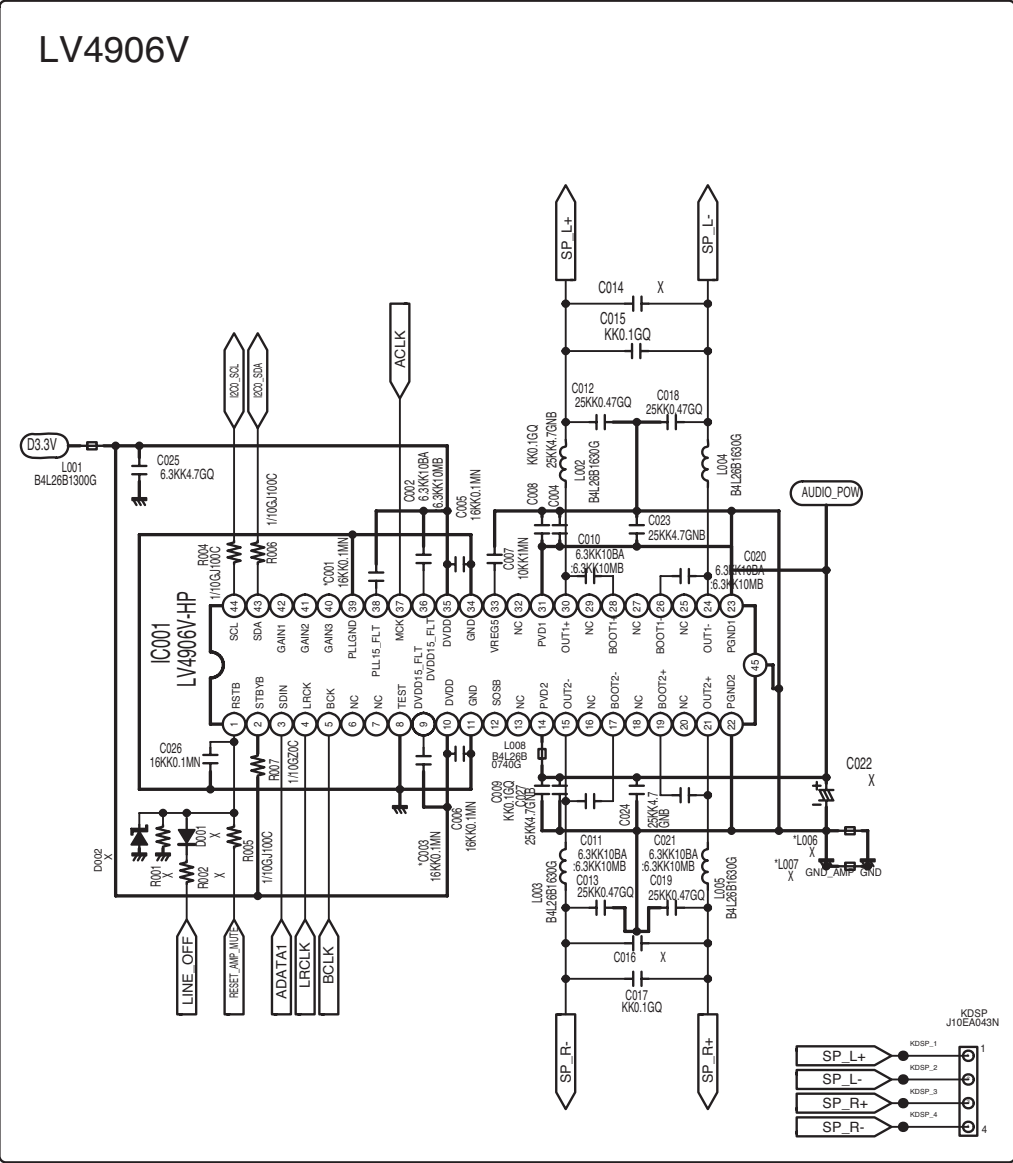
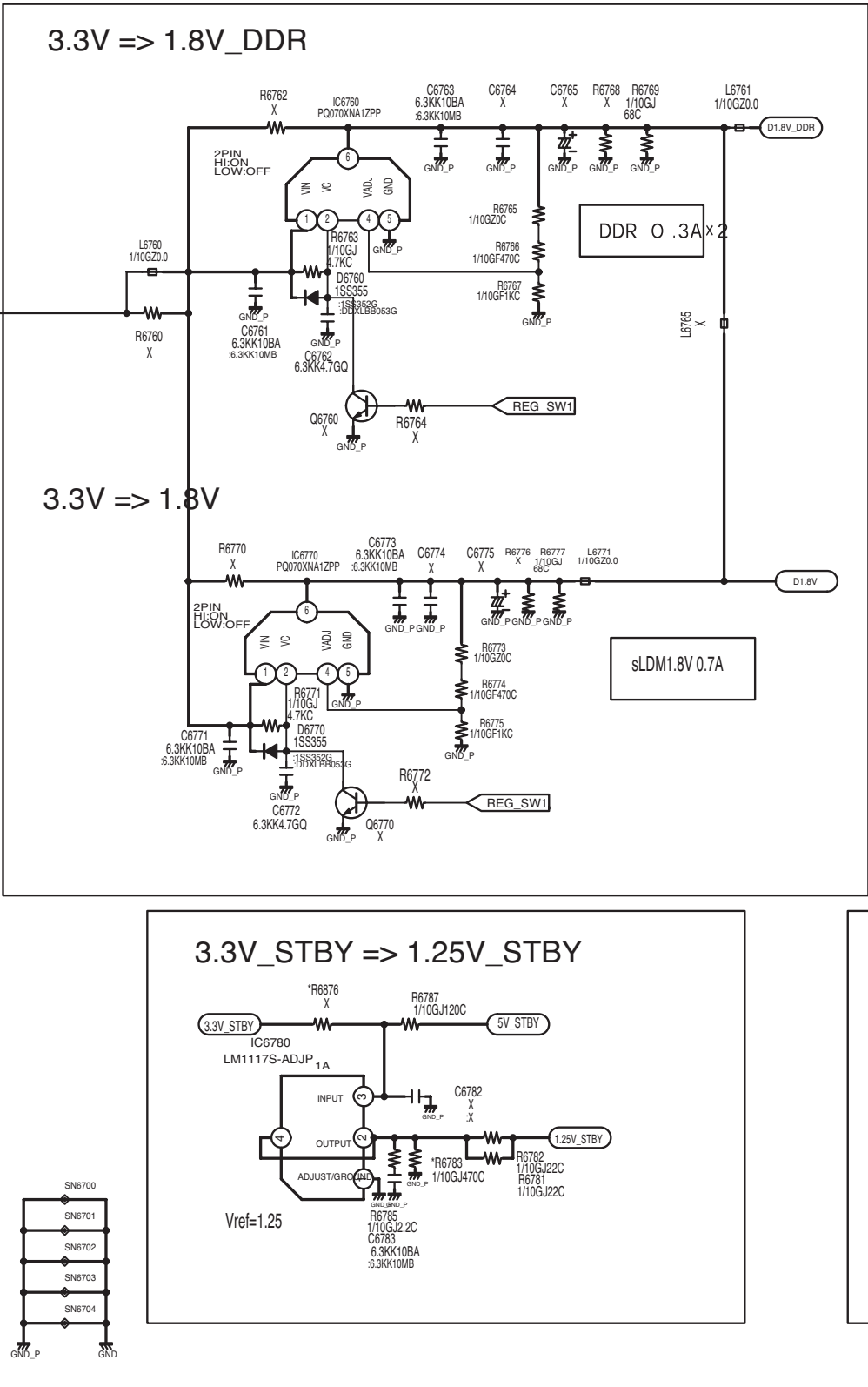
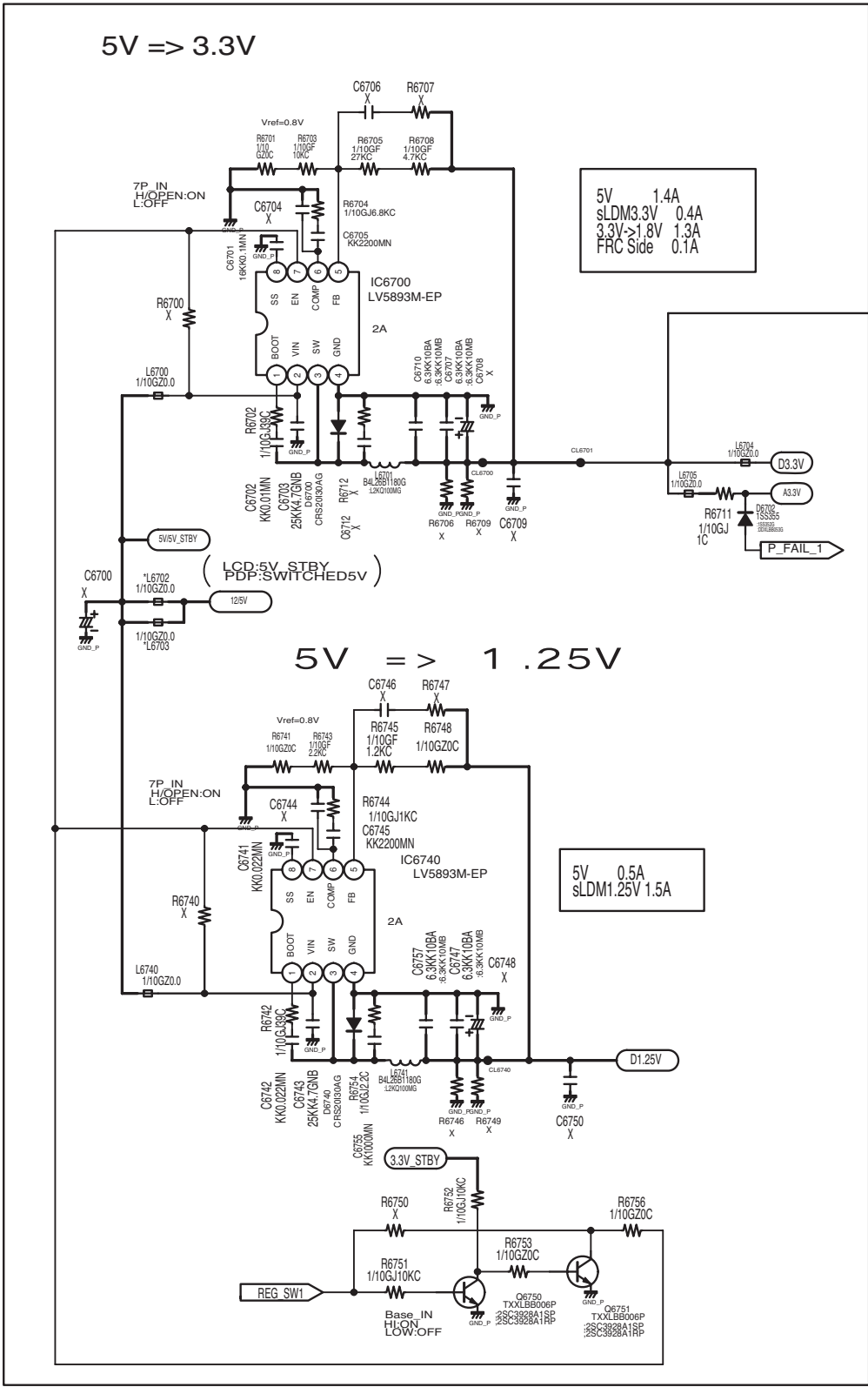
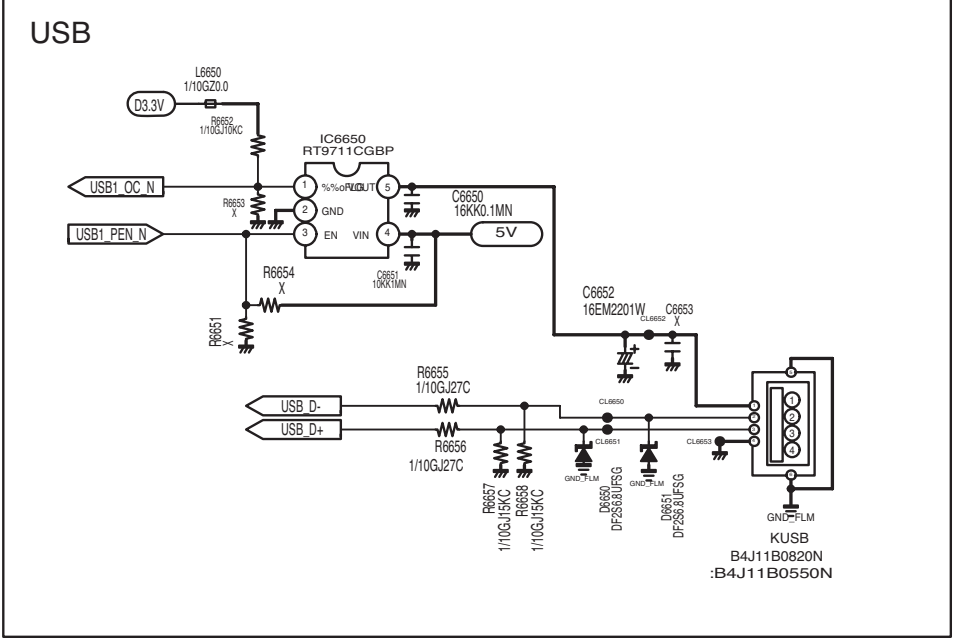


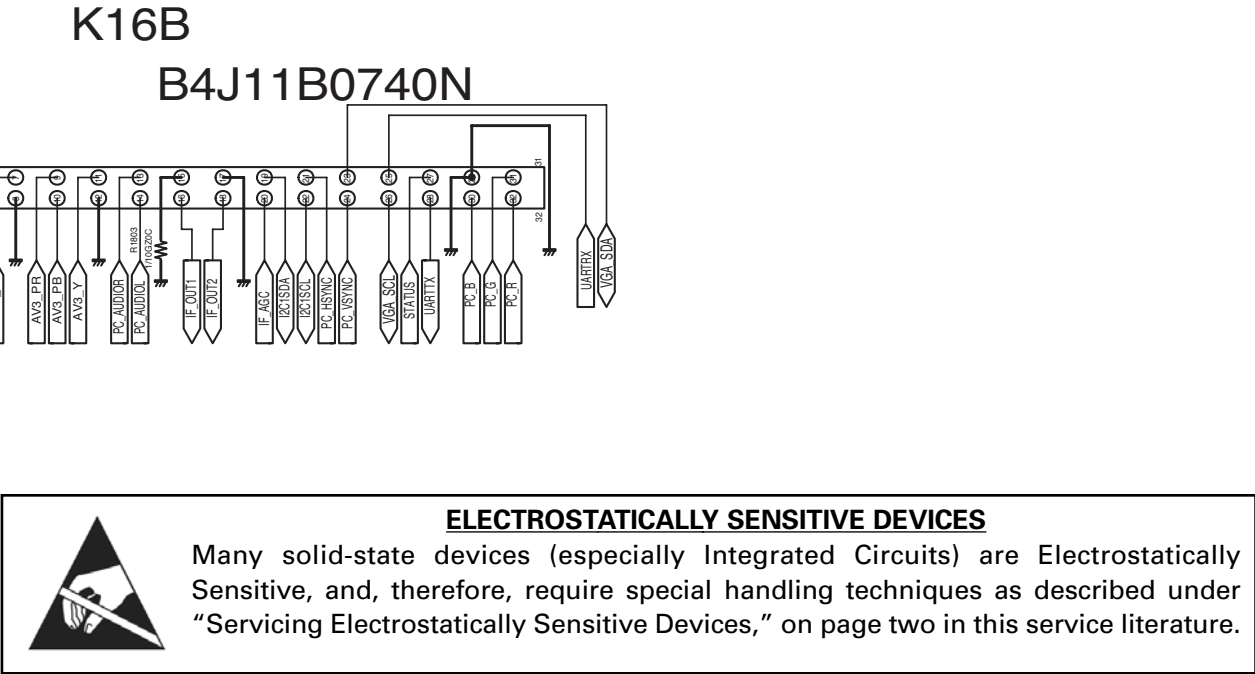
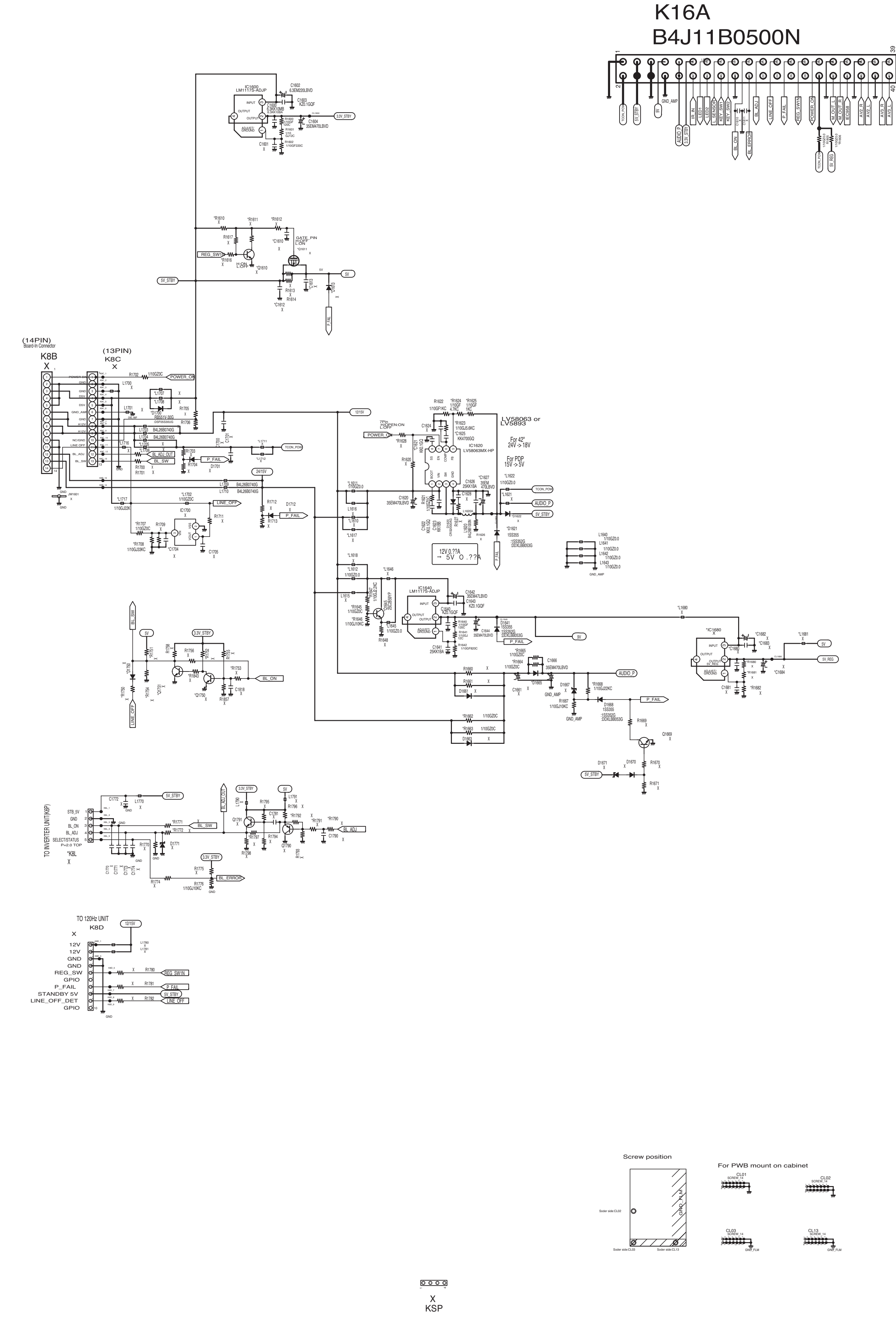
- NOTES:
1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/60".
 2. RESISTORS SPECIFIED WITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALUE ARE "1/4".
 3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
 4. PARTS MARKED WITH ARE RELATED WITH X-RADIATION.
 5. THICK LINES ARE 15WATTS SUPPLY LINE.
 6. VIEW OF TR & FET & IC.
- TOP VIEW**
- COLD SIDE** **HOT SIDE**
- 8. LIST OF REPLACEABLE DIODES.**
- | Part | 1S176, 1S133, GMA01 | 1S2076, 1S2473, DS442, 1N4148, 1S133 | 1S2076A, 1S2471, 1N4148 |
|---------------|---------------------|--------------------------------------|-------------------------|
| M (7D000025) | 1S176, 1S133, GMA01 | 1S2076, 1S2473, DS442, 1N4148, 1S133 | 1S2076A, 1S2471, 1N4148 |
| R (7D000019) | 1S176, 1S133, GMA01 | 1S2076, 1S2473, DS442, 1N4148, 1S133 | 1S2076A, 1S2471, 1N4148 |
| AA (7D000192) | 1S176, 1S133, GMA01 | 1S2076, 1S2473, DS442, 1N4148, 1S133 | 1S2076A, 1S2471, 1N4148 |
| P (7D000021) | 1S176, 1S133, GMA01 | 1S2076, 1S2473, DS442, 1N4148, 1S133 | 1S2076A, 1S2471, 1N4148 |
- 9. LIST OF REPLACEABLE TRANSISTORS.**
- | Part | 2SC1740S | 2SC045A | 2SC1815 |
|---------------|----------|---------|---------|
| AD (7T200183) | Q.R.S | Q.P | Y.G.R |
| AE (7QT00202) | Q.R.S | Q.P | O.Y.G.R |
| AB (7T200181) | R | R | Y.G.R |
| AC (7T200182) | Q.R | Q.R | O.Y.G.R |
- 10. "J": JUMPER WIRE.**
"X": PART NOT USED.



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.





- NOTES:
1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/4W".
 2. RESISTORS SPECIFIED WITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALUE ARE "1/4".
 3. ALL CAPACITORS ARE 50V RATING UNLESS OTHERWISE NOTED.
 4. PARTS MARKED WITH ARE RELATED WITH X-RADIATION.
 5. THICK LINES ARE 15WATTS SUPPLY LINE.
 6. VIEW OF TR & FET & IC.
- TOP VIEW
- COLD SIDE / HOT SIDE
8. LIST OF REPLACEABLE DIODES:
- | M | (72D00025) | 1S5176, 1S5133, GMA01 |
|---|---|---------------------------------------|
| R <td>(72D00019)<td>1S2076, 1S2473, D5442, 1N4148</td></td> | (72D00019) <td>1S2076, 1S2473, D5442, 1N4148</td> | 1S2076, 1S2473, D5442, 1N4148 |
| A | (72D00189) <td>1S2076, 1S2473, D5442, 1N4148, 1S5133</td> | 1S2076, 1S2473, D5442, 1N4148, 1S5133 |
| P <td>(72D00021)<td>1S2076A, 1S2473, 1N4148</td></td> | (72D00021) <td>1S2076A, 1S2473, 1N4148</td> | 1S2076A, 1S2473, 1N4148 |
9. LIST OF REPLACEABLE TRANSISTORS:
- | AD | (72T00183) | 2SC1740S | 2SC645A | 2SC1815 |
|--|---|----------------------------------|--------------------|---------|
| Q <td>(72T00209)<td>Q,R,S<td>Q,P<td>Y,G,H</td></td></td></td> | (72T00209) <td>Q,R,S<td>Q,P<td>Y,G,H</td></td></td> | Q,R,S <td>Q,P<td>Y,G,H</td></td> | Q,P <td>Y,G,H</td> | Y,G,H |
| AE <td>(72T00209)<td>Q,R,S<td>Q,P<td>Y,G,H</td></td></td></td> | (72T00209) <td>Q,R,S<td>Q,P<td>Y,G,H</td></td></td> | Q,R,S <td>Q,P<td>Y,G,H</td></td> | Q,P <td>Y,G,H</td> | Y,G,H |
| AB <td>(72T00181)<td>R<td>R<td>Y,G,H</td></td></td></td> | (72T00181) <td>R<td>R<td>Y,G,H</td></td></td> | R <td>R<td>Y,G,H</td></td> | R <td>Y,G,H</td> | Y,G,H |
| AC <td>(72T00182)<td>Q,R<td>Q,R<td>Y,G,H</td></td></td></td> | (72T00182) <td>Q,R<td>Q,R<td>Y,G,H</td></td></td> | Q,R <td>Q,R<td>Y,G,H</td></td> | Q,R <td>Y,G,H</td> | Y,G,H |
10. "J" - JUMPER WIRE.
"X" - PART NOT USED.

